



SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

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 YUE, Henry
 PATTERSON, Chandra
 REDDY, Roopa
 HILLMAN, Jennifer L.
 BANDMAN, Olga

<120> HUMAN SIGNAL PEPTIDE-CONTAINING PROTEINS

<130> PF-0541 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/090,762; 60/094,983; 60/102,686; 60/112,129

<151> 1998-06-26; 1998-07-31; 1998-10-01; 1998-12-11

<160> 268

<170> PERL Program

<210> 1

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 443531

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Met	Ser	Trp	Trp	Leu	Cys	Leu	Pro	Leu	Gly	Leu	Phe	Gly	Ser	Cys
1				5					10					15
Leu	Ala	Pro	Ala	Ala	Ala	Ala	Ala	Leu	Ser	Glu	Phe	Thr	Gln	Glu
				20					25					30
Gln	His	Asp	Gly	Ala	Gln	Pro	Ser	Pro	Lys	Cys	Leu	Ala	Glu	Glu
				35					40					45
Leu	Gly	Asp	Ala	Trp	Thr	Ile	Gln	Ile	Glu	Ala	Asn	Trp	Lys	Tyr
				50					55					60
Arg	Ala	Val	Asn	Thr	Asn	Gln	Arg	Gly	Lys	Leu	Leu	Ala	Ser	Glu
				65					70					75
Thr	Trp	Lys	Gly	Arg	Arg	Asn	Thr	Phe	Phe	Phe	Leu	Pro		
				80					85					

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<223> Incyte Clone No: 632860

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Met	Trp	Pro	Ala	Gly	Leu	Gly	Arg	Ser	Leu	Leu	Ala	Gln	Pro	Ala	
1				5					10					15	
Leu	Cys	Ser	Phe	Met	Gly	Pro	Gln	Trp	Ile	Leu	Gln	Phe	Cys	Ser	
				20					25					30	
Trp	Leu	Glu	Pro	Arg	Gln	Leu	Arg	Trp	Ser	Trp	Thr	Glu	Pro	Pro	
				35					40					45	
Phe	Thr	Leu	Leu	Asp	Ser	Leu	Gly	Leu	Arg	Ala	Ala	Gln	Asp	Ser	
				50					55					60	
Cys	Ser	Phe	Thr	Thr	Leu	Val	Pro	Leu	Thr	Leu	Asp	Ser	Ser	Phe	
				65					70					75	
Met	Thr	Val	Asn	Val	Val	Pro	Phe	Val	Trp	Thr	Ser	Ser	Phe	Phe	
				80					85					90	
Arg	Ala	Phe	Gln	Tyr	Pro	Val	Thr	Ser	Pro	Cys	Arg	Thr	Lys	Asn	
				95					100					105	
Thr	Pro	Leu	Leu	Ile	Asp	Gly	Val	Thr	Arg	Ile	Gln	Ala	Thr	Trp	
				110					115					120	
Pro	Glu	Ala	Arg	Ser	Gln	His	Glu								
				125											

<210> 3

<211> 111

<212> PRT

<213> Homo sapiens

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<223> Incyte Clone No: 670010

<400> 3

Met	Gly	Leu	Leu	Leu	Leu	Val	Leu	Phe	Leu	Ser	Leu	Leu	Pro	Val	
1				5					10					15	
Ala	Tyr	Thr	Ile	Met	Ser	Leu	Pro	Pro	Ser	Phe	Asp	Cys	Gly	Pro	
				20					25					30	
Phe	Arg	Cys	Arg	Val	Ser	Val	Ala	Arg	Glu	His	Leu	Pro	Ser	Arg	
				35					40					45	
Gly	Ser	Leu	Leu	Arg	Gly	Pro	Arg	Pro	Arg	Ile	Pro	Val	Leu	Val	
				50					55					60	
Ser	Cys	Gln	Pro	Val	Lys	Gly	His	Gly	Thr	Leu	Gly	Glu	Ser	Pro	
				65					70					75	
Met	Pro	Phe	Lys	Arg	Val	Phe	Cys	Gln	Asp	Gly	Asn	Val	Arg	Ser	
				80					85					90	
Phe	Cys	Val	Cys	Ala	Val	His	Phe	Ser	Ser	His	Gln	Pro	Pro	Val	
				95					100					105	
Ala	Val	Glu	Cys	Leu	Lys										
				110											

<210> 4

<211> 110

<212> PRT

<213> Homo sapiens

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<223> Incyte Clone No: 726498

<400> 4

Met	Trp	Arg	Leu	Arg	Arg	Asn	Leu	Ala	Leu	Pro	Pro	Gly	Lys	Leu	
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	--

1	5	10	15
Ala Trp Leu Tyr Leu	Ser Val Phe Ser Gln	Gly Ser Arg Ala Met	
20	25		30
Met Ser Leu Thr Glu	Ile Arg Leu Lys His	Met Leu Glu Ile Trp	
35	40		45
His Gly Arg Gln Ala	Arg Ala Cys Glu Asn	Leu Arg Asn Gln Thr	
50	55		60
Arg Val Ala Thr Lys	Val Glu Pro Gln Lys	Gly Arg Ser Thr Glu	
65	70		75
Ile Cys Cys Leu Ala	Val Val Pro Leu Asn	Glu Val Val Gln Ser	
80	85		90
Ser Ile Leu Trp Trp	Val Trp Ser Cys Cys	Gln His Gln Glu Asp	
95	100		105
Lys Leu Gly Ala Lys			
110			

<210> 5
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 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 795064

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Met Ala Glu Ser Gly Leu Thr Ser Leu Pro Gly Thr Ala Ser Trp
1 5 10 15
Phe Cys Phe Leu Pro Val Ser Gln Arg Lys Ala Thr Ser Lys Lys
20 25 30
Leu Leu Leu Lys Ala Arg Lys Lys Ser Gly Phe Glu Leu Ser Val
35 40 45
Thr Asp Ser Ser Glu Cys Phe Arg Val Thr Ala Ser Val Arg Gly
50 55 60
Met Lys Asn Arg His Ala Lys Gly Asn Gly Cys Thr Arg Asp Pro
65 70 75
Cys Phe Gly

<210> 6
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<220>
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 <223> Incyte Clone No: 924925

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Met Trp Pro Ser Gln Val Pro Leu Leu Ala Phe Cys Phe Leu Leu
1 5 10 15
Val Lys Ser Thr Ser Asn Ile Asn Leu Pro Thr Pro Pro Pro Ser
20 25 30
Ser Leu Glu Asn Ser Ser Phe Val Val Ser Gln Arg Gly Asn Leu
35 40 45
Ile Val Phe Gly Gly Gln Lys Lys Ala Thr Phe Arg Tyr His Phe
50 55 60
Tyr Leu Asp Arg Met Pro Phe Tyr Ser Gln Ile Ser Val Tyr Phe
65 70 75
Val Asn Gly Phe Arg Val Asn Gly Tyr Leu Cys Asn Asn
80 85

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 <211> 227
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 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 962390

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 Met Gly Arg Pro Leu Leu Leu Pro Leu Leu Leu Leu Gln Pro
 1 5 10 15
 Pro Ala Phe Leu Gln Pro Gly Gly Ser Thr Gly Ser Gly Pro Ser
 20 25 30
 Tyr Leu Tyr Gly Val Thr Gln Pro Lys His Leu Ser Ala Ser Met
 35 40 45
 Gly Gly Ser Val Glu Ile Pro Phe Ser Phe Tyr Tyr Pro Trp Glu
 50 55 60
 Leu Ala Ile Val Pro Asn Val Arg Ile Ser Trp Arg Arg Gly His
 65 70 75
 Phe His Gly Gln Ser Phe Tyr Ser Thr Arg Pro Pro Ser Ile His
 80 85 90
 Lys Asp Tyr Val Asn Arg Leu Phe Leu Asn Trp Thr Glu Gly Gln
 95 100 105
 Glu Ser Gly Phe Leu Arg Ile Ser Asn Leu Arg Lys Glu Asp Gln
 110 115 120
 Ser Val Tyr Phe Cys Arg Val Glu Leu Asp Thr Arg Arg Ser Gly
 125 130 135
 Arg Gln Gln Leu Gln Ser Ile Lys Gly Thr Lys Leu Thr Ile Thr
 140 145 150
 Gln Ala Val Thr Thr Thr Thr Thr Trp Arg Pro Ser Ser Thr Thr
 155 160 165
 Thr Ile Ala Gly Leu Arg Val Thr Glu Ser Lys Gly His Ser Glu
 170 175 180
 Ser Trp His Leu Ser Leu Asp Thr Ala Ile Arg Val Ala Leu Ala
 185 190 195
 Val Ala Val Leu Lys Thr Val Ile Leu Gly Leu Leu Cys Leu Leu
 200 205 210
 Leu Leu Trp Trp Arg Arg Arg Lys Gly Ser Arg Ala Pro Ser Ser
 215 220 225
 Asp Phe

<210> 8
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<220>
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 <223> Incyte Clone No: 1259405

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 Met Ala Thr Leu Trp Gly Gly Leu Leu Arg Leu Gly Ser Leu Leu
 1 5 10 15
 Ser Leu Ser Cys Leu Ala Leu Ser Val Leu Leu Leu Ala Gln Leu
 20 25 30
 Ser Asp Ala Ala Lys Asn Phe Glu Asp Val Arg Cys Lys Cys Ile
 35 40 45

Cys	Pro	Pro	Tyr	Lys	Glu	Asn	Ser	Gly	His	Ile	Tyr	Asn	Lys	Asn
				50					55					60
Ile	Ser	Gln	Lys	Asp	Cys	Asp	Cys	Leu	His	Val	Val	Glu	Pro	Met
				65					70					75
Pro	Val	Arg	Gly	Pro	Asp	Val	Glu	Ala	Tyr	Cys	Leu	Arg	Cys	Glu
				80					85					90
Cys	Lys	Tyr	Glu	Glu	Arg	Ser	Ser	Val	Thr	Ile	Lys	Val	Thr	Ile
				95					100					105
Ile	Ile	Tyr	Leu	Ser	Ile	Leu	Gly	Leu	Leu	Leu	Tyr	Met	Val	
				110					115					120
Tyr	Leu	Thr	Leu	Val	Glu	Pro	Ile	Leu	Lys	Arg	Arg	Leu	Phe	Gly
				125					130					135
His	Ala	Gln	Leu	Ile	Gln	Ser	Asp	Asp	Asp	Ile	Gly	Asp	His	Gln
				140					145					150
Pro	Phe	Ala	Asn	Ala	His	Asp	Val	Leu	Ala	Arg	Ser	Arg	Ser	Arg
				155					160					165
Ala	Asn	Val	Leu	Asn	Lys	Val	Glu	Tyr	Ala	Gln	Gln	Arg	Trp	Lys
				170					175					180
Leu	Gln	Val	Gln	Glu	Gln	Arg	Lys	Ser	Val	Phe	Asp	Arg	His	Val
				185					190					195
Val	Leu	Ser												

<210> 9
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<220>
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 <223> Incyte Clone No: 1297384

Met	Met	Pro	Arg	Leu	Leu	Gly	Leu	Gly	Gly	Leu	Phe	Ser	Phe	Gly
				5					10					15
Gly	Leu	Pro	Leu	Leu	Leu	Phe	Phe	Gln	Arg	Ser	Arg	Ala	Ser	
				20				25						30
Leu	Ala	Ser	Ser	Ser	Thr	Gly	Leu	Trp	Ile	Asn	Gln	Leu	Pro	Lys
				35				40						45
Gly	Cys	Thr	Cys	Arg	Val	Val	Trp	Ala	Cys	Ile	Pro	Asp	Val	Leu
				50				55						60
Glu	Tyr	Ala	Trp	Met										
				65										

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<220>
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 <223> Incyte Clone No: 1299627

Met	Asp	Ala	Pro	Arg	Leu	Pro	Val	Arg	Pro	Gly	Val	Leu	Leu	Pro
				5					10					15
Lys	Leu	Val	Leu	Leu	Phe	Val	Tyr	Ala	Asp	Asp	Cys	Leu	Ala	Gln
				20				25						30
Cys	Gly	Lys	Asp	Cys	Lys	Ser	Tyr	Cys	Cys	Asp	Gly	Thr	Thr	Pro
				35				40						45

Tyr	Cys	Cys	Ser	Tyr	Tyr	Ala	Tyr	Ile	Gly	Asn	Ile	Leu	Ser	Gly
				50					55					60
Thr	Ala	Ile	Ala	Gly	Ile	Val	Phe	Gly	Ile	Val	Phe	Ile	Met	Gly
				65					70					75
Val	Ile	Ala	Gly	Ile	Ala	Ile	Cys	Ile	Cys	Met	Cys	Met	Lys	Asn
				80					85					90
His	Arg	Ala	Thr	Arg	Val	Gly	Ile	Leu	Arg	Thr	Thr	His	Ile	Asn
				95					100					105
Thr	Val	Ser	Ser	Tyr	Pro	Gly	Pro	Pro	Pro	Tyr	Gly	His	Asp	His
				110					115					120
Glu	Met	Glu	Tyr	Cys	Ala	Asp	Leu	Pro	Pro	Pro	Tyr	Ser	Pro	Thr
				125					130					135
Pro	Gln	Gly	Pro	Ala	Gln	Arg	Ser	Pro	Pro	Pro	Pro	Tyr	Pro	Gly
				140					145					150
Asn	Ala	Arg	Lys											

<210> 11
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Met	Lys	Pro	Leu	Val	Leu	Leu	Val	Ala	Leu	Leu	Leu	Trp	Pro	Ser
1				5					10					15
Ser	Val	Pro	Ala	Tyr	Pro	Ser	Ile	Thr	Val	Thr	Pro	Asp	Glu	Glu
				20					25					30
Gln	Asn	Leu	Asn	His	Tyr	Ile	Gln	Val	Leu	Glu	Asn	Leu	Val	Arg
				35					40					45
Ser	Val	Pro	Ser	Gly	Glu	Pro	Gly	Arg	Glu	Lys	Lys	Ser	Asn	Ser
				50					55					60
Pro	Lys	His	Val	Tyr	Ser	Ile	Ala	Ser	Lys	Gly	Ser	Lys	Phe	Lys
				65					70					75
Glu	Leu	Val	Thr	His	Gly	Asp	Ala	Ser	Thr	Glu	Asn	Asp	Val	Leu
				80					85					90
Thr	Asn	Pro	Ile	Ser	Glu	Glu	Thr	Thr	Thr	Phe	Pro	Thr	Gly	Gly
				95					100					105
Phe	Thr	Pro	Glu	Ile	Gly	Lys	Lys	Lys	His	Thr	Glu	Ser	Thr	Pro
				110					115					120
Phe	Trp	Ser	Ile	Lys	Pro	Asn	Asn	Val	Ser	Ile	Val	Leu	His	Ala
				125					130					135
Glu	Glu	Pro	Tyr	Ile	Glu	Asn	Glu	Glu	Pro	Glu	Pro	Glu	Pro	Glu
				140					145					150
Pro	Ala	Ala	Lys	Gln	Thr	Glu	Ala	Pro	Arg	Met	Leu	Pro	Val	Val
				155					160					165
Thr	Glu	Ser	Ser	Thr	Ser	Pro	Tyr	Val	Thr	Ser	Tyr	Lys	Ser	Pro
				170					175					180
Val	Thr	Thr	Leu	Asp	Lys	Ser	Thr	Gly	Ile	Glu	Ile	Ser	Thr	Glu
				185					190					195
Ser	Glu	Asp	Val	Pro	Gln	Leu	Ser	Gly	Glu	Thr	Ala	Ile	Glu	Lys
				200					205					210
Pro	Glu	Ser	Trp	Lys	His	Gln	Arg	Val	Gly	Tyr	Asp	Ala	Phe	Glu
				215					220					225
Lys	Asn	Leu	Val	Leu	Ile	Thr	Met	His	Arg	His	Phe			
				230					235					

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<211> 225
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 Met Thr Pro Glu Gly Val Gly Leu Thr Thr Ala Leu Arg Val Leu
 1 5 10 15
 Cys Asn Val Ala Cys Pro Pro Pro Pro Val Glu Gly Gln Gln Lys
 20 25 30
 Asp Leu Lys Trp Asn Leu Ala Val Ile Gln Leu Phe Ser Ala Glu
 35 40 45
 Gly Met Asp Thr Phe Ile Arg Val Leu Gln Lys Leu Asn Ser Ile
 50 55 60
 Leu Thr Gln Pro Trp Arg Leu His Val Asn Met Gly Thr Thr Leu
 65 70 75
 His Arg Val Thr Thr Ile Ser Met Ala Arg Cys Thr Leu Thr Leu
 80 85 90
 Leu Lys Thr Met Leu Thr Glu Leu Leu Arg Gly Gly Ser Phe Glu
 95 100 105
 Phe Lys Asp Met Arg Val Pro Ser Ala Leu Val Thr Leu His Met
 110 115 120
 Leu Leu Cys Ser Ile Pro Leu Ser Gly Arg Leu Asp Ser Asp Glu
 125 130 135
 Gln Lys Ile Gln Asn Asp Ile Ile Asp Ile Leu Leu Thr Phe Thr
 140 145 150
 Gln Gly Val Asn Glu Lys Leu Thr Ile Ser Glu Glu Thr Leu Ala
 155 160 165
 Asn Asn Thr Trp Ser Leu Met Leu Lys Glu Val Leu Ser Ser Ile
 170 175 180
 Leu Lys Val Pro Glu Gly Phe Phe Ser Gly Leu Ile Leu Leu Ser
 185 190 195
 Glu Leu Leu Pro Leu Pro Leu Pro Met Gln Thr Thr Gln Val Ser
 200 205 210
 Leu Pro Tyr Asn Met His Leu Ile Asn Asp Cys Ser Asn Thr Phe
 215 220 225

<210> 13
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<220>
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 <223> Incyte Clone No: 1329031

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 Met Pro Ser Pro Gly Thr Val Cys Ser Leu Leu Leu Leu Gly Met
 1 5 10 15
 Leu Trp Leu Asp Leu Ala Met Ala Gly Ser Ser Phe Leu Ser Pro
 20 25 30
 Glu His Gln Arg Val Gln Gln Arg Lys Glu Ser Lys Lys Pro Pro
 35 40 45
 Ala Lys Leu Gln Pro Arg Ala Leu Ala Gly Trp Leu Arg Pro Glu
 50 55 60
 Asp Gly Gly Gln Ala Glu Gly Ala Glu Asp Glu Leu Glu Val Arg
 65 70 75
 Phe Asn Ala Pro Phe Asp Val Gly Ile Lys Leu Ser Gly Val Gln
 80 85 90

PF-0541 PCT

Tyr	Gln	Gln	His	Ser	Gln	Ala	Leu	Gly	Lys	Phe	Leu	Gln	Asp	Ile
			95						100					105
Leu	Trp	Glu	Glu	Ala	Lys	Glu	Ala	Pro	Ala	Asp	Lys			
			110						115					

<210> 14
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<400> 14														
Met	Asp	Asn	Arg	Phe	Ala	Thr	Ala	Phe	Val	Ile	Ala	Cys	Val	Leu
1				5					10					15
Ser	Leu	Ile	Ser	Thr	Ile	Tyr	Met	Ala	Ala	Ser	Ile	Gly	Thr	Asp
				20					25					30
Phe	Trp	Tyr	Glu	Tyr	Arg	Ser	Pro	Val	Gln	Glu	Asn	Ser	Ser	Asp
				35					40					45
Leu	Asn	Lys	Ser	Ile	Trp	Asp	Glu	Phe	Ile	Ser	Asp	Glu	Ala	Asp
				50					55					60
Glu	Lys	Thr	Tyr	Asn	Asp	Ala	Leu	Phe	Arg	Tyr	Asn	Gly	Thr	Val
				65					70					75
Gly	Leu	Trp	Arg	Arg	Cys	Ile	Thr	Ile	Pro	Lys	Asn	Met	His	Trp
				80					85					90
Tyr	Ser	Pro	Pro	Glu	Arg	Thr	Glu	Ser	Phe	Asp	Val	Val	Thr	Lys
				95					100					105
Cys	Val	Ser	Phe	Thr	Leu	Thr	Glu	Gln	Phe	Met	Glu	Lys	Phe	Val
				110					115					120
Asp	Pro	Gly	Asn	His	Asn	Ser	Gly	Ile	Asp	Leu	Leu	Arg	Thr	Tyr
				125					130					135
Leu	Trp	Arg	Cys	Gln	Phe	Leu	Leu	Pro	Phe	Val	Ser	Leu	Gly	Leu
				140					145					150
Met	Cys	Phe	Gly	Ala	Leu	Ile	Gly	Leu	Cys	Ala	Cys	Ile	Cys	Arg
				155					160					165
Ser	Leu	Tyr	Pro	Thr	Ile	Ala	Thr	Gly	Ile	Leu	His	Leu	Leu	Ala
				170					175					180
Gly	Leu	Cys	Thr	Leu	Gly	Ser	Val	Ser	Cys	Tyr	Val	Ala	Gly	Ile
				185					190					195
Glu	Leu	Leu	His	Gln	Lys	Leu	Glu	Leu	Pro	Asp	Asn	Val	Ser	Gly
				200					205					210
Glu	Phe	Gly	Trp	Ser	Phe	Cys	Leu	Ala	Cys	Val	Ser	Ala	Pro	Leu
				215					220					225
Gln	Phe	Met	Ala	Ser	Ala	Leu	Phe	Ile	Trp	Ala	Ala	His	Thr	Asn
				230					235					240
Arg	Lys	Glu	Tyr	Thr	Leu	Met	Lys	Ala	Tyr	Arg	Val	Ala		
				245					250					

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<220>
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<223> Incyte Clone No: 1514160

<400> 15

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Met Ser Leu Pro Ile Pro Trp Leu Ser Leu Pro Pro Cys Pro Ile
 1          5          10          15
Leu Gly Gln Pro Ala Gly Leu Leu Leu Trp Leu Phe Arg Pro Phe
          20          25          30
Ser Gln Cys Cys Gln Cys Pro Trp Glu Gly Arg Ala Ser Leu Arg
          35          40          45
His Pro Asn Gly Pro Ser Gly Cys Arg Glu Ala Glu Ala Trp Pro
          50          55          60
Gln Arg Ser Leu Leu Arg Gln Gln Leu Gln Gln Ala His Pro Leu
          65          70          75
Pro Thr Leu Pro Thr Pro Glu Arg Leu Pro Glu Gln Met Leu Phe
          80          85          90
Pro Ser Ser Ser Ser Lys Pro Phe Ser Leu Leu Ser Leu Thr Ile
          95          100          105
Trp Ala Arg Leu Val Gly Arg Leu Thr Asn Arg Ile Cys Pro Val
          110          115          120
Pro Pro Gly Ser Val Ala Ser Ser Met Ser Leu Gln Ala Gly Arg
          125          130          135
Cys Gly Asn Pro Val Val Leu Pro Gln Pro Met Pro Pro Gly Leu
          140          145          150
Leu Cys Met Asn Glu Cys Ser Leu Val Pro Gly Leu Gly Arg Gly
          155          160          165
Gln Val Asn Ser Arg Val
          170

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<210> 16

<211> 78

<212> PRT

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<221> misc_feature

<223> Incyte Clone No: 1603403

<400> 16

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Met Gly Ser Gly Leu Pro Leu Val Leu Leu Leu Thr Leu Leu Gly
 1          5          10          15
Ser Ser His Gly Thr Gly Pro Gly Met Thr Leu Gln Leu Lys Leu
          20          25          30
Lys Glu Ser Phe Leu Thr Asn Ser Ser Tyr Glu Ser Ser Phe Leu
          35          40          45
Glu Leu Leu Glu Lys Leu Cys Leu Leu Leu His Leu Pro Ser Gly
          50          55          60
Thr Ser Val Thr Leu His His Ala Arg Ser Gln His His Val Val
          65          70          75
Cys Asn Thr

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<210> 17

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<213> Homo sapiens

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<223> Incyte Clone No: 1652303

<400> 17

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Met Lys Leu Leu Ser Cys Leu Leu Phe Leu Lys Ala Pro Leu Tyr
 1          5          10          15

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Pro	Thr	Leu	Cys	Ser	Lys	Asp	Pro	Arg	Ala	Gly	His	Ser	Leu	Ile	
				20					25					30	
Cys	Gly	Gln	Ala	Gly	Gln	Ile	Pro	Glu	Ala	Gln	Leu	Gly	Phe	Ser	
				35					40					45	
Ser	Asp	Phe	Lys	Leu	Cys	Trp	Cys	Trp	Asp	Gln	Gln	Lys	Ala	Asn	
				50					55					60	
Val	Gln	Pro	Thr	His	Arg	Thr	Val	Arg	Gly	Leu					
				65					70						

<210> 18
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<220>
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 <223> Incyte Clone No: 1693358

Met	Val	Pro	Gly	Ala	Ala	Gly	Trp	Cys	Cys	Leu	Val	Leu	Trp	Leu	
1				5					10					15	
Pro	Ala	Cys	Val	Ala	Ala	His	Gly	Phe	Arg	Ile	His	Asp	Tyr	Leu	
				20					25					30	
Tyr	Phe	Gln	Val	Leu	Ser	Pro	Gly	Asp	Ile	Arg	Tyr	Ile	Phe	Thr	
				35					40					45	
Ala	Thr	Pro	Ala	Lys	Asp	Phe	Gly	Gly	Ile	Phe	His	Thr	Arg	Tyr	
				50					55					60	
Glu	Gln	Ile	His	Leu	Val	Pro	Ala	Glu	Pro	Pro	Glu	Ala	Cys	Gly	
				65					70					75	
Glu	Leu	Ser	Asn	Gly	Phe	Phe	Ile	Gln	Asp	Gln	Ile	Ala	Leu	Val	
				80					85					90	
Glu	Arg	Gly	Gly	Cys	Ser	Phe	Leu	Ser	Lys	Thr	Arg	Val	Val	Gln	
				95					100					105	
Glu	His	Gly	Gly	Arg	Ala	Val	Ile	Ile	Ser	Asp	Asn	Ala	Val	Asp	
				110					115					120	
Asn	Asp	Ser	Phe	Tyr	Val	Glu	Met	Ile	Gln	Asp	Ser	Thr	Gln	Arg	
				125					130					135	
Thr	Ala	Asp	Ile	Pro	Ala	Leu	Phe	Leu	Leu	Gly	Arg	Asp	Gly	Tyr	
				140					145					150	
Met	Ile	Arg	Arg	Ser	Leu	Glu	Gln	His	Gly	Leu	Pro	Trp	Ala	Ile	
				155					160					165	
Ile	Ser	Ile	Pro	Val	Asn	Val	Thr	Ser	Ile	Pro	Thr	Phe	Glu	Leu	
				170					175					180	
Leu	Gln	Pro	Pro	Trp	Thr	Phe	Trp								
				185											

<210> 19
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<220>
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 <223> Incyte Clone No: 1707711

Met	Lys	Ala	Gln	Pro	Leu	Glu	Ala	Leu	Leu	Leu	Val	Ala	Leu	Val	
1				5					10					15	
Leu	Ser	Phe	Cys	Gly	Val	Trp	Phe	Glu	Asp	Trp	Leu	Ser	Lys	Trp	

	20		25		30
Arg Phe Gln Cys Ile	Phe Gln Leu Ala His	Gln Pro Ala Leu Val			
	35		40		45
Asn Ile Gln Phe Arg	Gly Thr Val Leu Gly	Ser Glu Thr Phe Leu			
	50		55		60
Gly Ala Glu Glu Asn	Ser Ala Asp Val Arg	Ser Trp Gln Thr Leu			
	65		70		75
Ser Tyr Phe Glu Leu					
	80				

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 <212> PRT
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<220>
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 <223> Incyte Clone No: 1738735

<400> 20	
Met Ile Asp Leu Trp	Leu Pro Ala Leu Phe Val Leu Val Ala Leu
1	5 10 15
Glu Ser Leu Leu Leu	Ser Pro Cys Pro Gly Thr Ser Ser Thr Leu
	20 25 30
Thr Arg Thr Phe Phe	Pro Ser Leu Val Ser Cys Val Gln Val Pro
	35 40 45
Phe Ser Trp Ile Pro	Cys Leu Glu Cys Phe Leu Ile Tyr Phe Leu
	50 55 60
Ile Leu Ala Glu Asp	Val Leu Gln Leu Phe Ser Gly Asn Ala Asn
	65 70 75
Met Gln Val Asn Gln	
	80

<210> 21
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1749147

<400> 21	
Met Gln Arg Pro Phe	Leu Ser Val Pro Cys Leu Leu Leu Leu Pro
1	5 10 15
Ala Arg Val Val Trp	Gly Cys Trp Cys Phe Leu Pro Gly Glu Asp
	20 25 30
Gly Gly Gly Cys Pro	Thr Pro Ser Ser Gly Arg Ile Lys Leu Leu
	35 40 45
Gln Gln Cys Leu Leu	His Pro Ser Leu Arg Ser Ile Thr Val Ser
	50 55 60
Arg Arg Ser Ala Gln	Leu Leu Cys Arg Leu Lys Leu Gln Asn His
	65 70 75
Ile Pro Lys Val Pro	Gly Lys Asn Val
	80

<210> 22
 <211> 171
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1817722

<400> 22
 Met His Met Ile Leu Lys Val Leu Thr Thr Ala Leu Leu Leu Gln
 1 5 10 15
 Ala Ala Ser Ala Leu Ala Asn Tyr Ile His Phe Ser Ser Tyr Ser
 20 25 30
 Lys Asp Gly Ile Gly Val Pro Phe Met Gly Ser Leu Ala Glu Phe
 35 40 45
 Phe Asp Ile Ala Ser Gln Ile Gln Met Leu Tyr Leu Leu Leu Ser
 50 55 60
 Leu Cys Met Gly Trp Thr Ile Val Arg Met Lys Lys Ser Gln Ser
 65 70 75
 Arg Pro Leu Gln Trp Asp Ser Thr Pro Ala Ser Thr Gly Ile Ala
 80 85 90
 Val Phe Ile Val Met Thr Gln Ser Val Leu Leu Leu Trp Glu Gln
 95 100 105
 Phe Glu Asp Ile Ser His His Ser Tyr His Ser His His Asn Leu
 110 115 120
 Ala Gly Ile Leu Leu Ile Val Leu Arg Ile Cys Leu Ala Leu Ser
 125 130 135
 Leu Gly Cys Gly Leu Tyr Gln Ile Ile Thr Val Glu Arg Ser Thr
 140 145 150
 Leu Lys Arg Glu Phe Tyr Ile Thr Phe Ala Lys Val Trp Val Trp
 155 160 165
 Lys Glu Asn Gly Leu Phe
 170

<210> 23
 <211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1831290

<400> 23
 Met Ser Ser Gly Thr Glu Leu Leu Trp Pro Gly Ala Ala Leu Leu
 1 5 10 15
 Val Leu Leu Gly Val Ala Ala Ser Leu Cys Val Arg Cys Ser Arg
 20 25 30
 Pro Gly Ala Lys Arg Ser Glu Lys Ile Tyr Gln Gln Arg Ser Leu
 35 40 45
 Arg Glu Asp Gln Gln Ser Phe Thr Gly Ser Arg Thr Tyr Ser Leu
 50 55 60
 Val Gly Gln Ala Trp Pro Gly Pro Leu Ala Asp Met Ala Pro Thr
 65 70 75
 Arg Lys Asp Lys Leu Leu Gln Phe Tyr Pro Ser Leu Glu Asp Pro
 80 85 90
 Ala Ser Ser Arg Tyr Gln Asn Phe Ser Lys Gly Ser Arg His Gly
 95 100 105
 Ser Glu Glu Ala Tyr Ile Asp Pro Ile Ala Met Glu Tyr Tyr Asn
 110 115 120
 Trp Gly Arg Phe Ser Lys Pro Pro Glu Asp Asp Asp Ala Asn Ser

				125					130					135
Tyr	Glu	Asn	Val	Leu	Ile	Cys	Lys	Gln	Lys	Thr	Thr	Glu	Thr	Gly
				140					145					150
Ala	Gln	Gln	Glu	Gly	Ile	Gly	Gly	Leu	Cys	Arg	Gly	Asp	Leu	Ser
				155					160					165
Leu	Ser	Leu	Ala	Leu	Lys	Thr	Gly	Pro	Thr	Ser	Gly	Leu	Cys	Pro
				170					175					180
Ser	Ala	Ser	Pro	Glu	Glu	Asp	Glu	Glu	Ser	Glu	Asp	Tyr	Gln	Asn
				185					190					195
Ser	Ala	Ser	Ile	His	Gln	Trp	Arg	Glu	Ser	Arg	Lys	Val	Met	Gly
				200					205					210
Gln	Leu	Gln	Arg	Glu	Ala	Ser	Pro	Gly	Pro	Val	Gly	Ser	Pro	Asp
				215					220					225
Glu	Glu	Asp	Gly	Glu	Pro	Asp	Tyr	Val	Asn	Gly	Glu	Val	Ala	Ala
				230					235					240
Thr	Glu	Ala												

<210> 24

<211> 311

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1831477

<400> 24

Met	Gly	Val	Pro	Thr	Ala	Pro	Glu	Ala	Gly	Ser	Trp	Arg	Trp	Gly
1				5					10					15
Ser	Leu	Leu	Phe	Ala	Leu	Phe	Leu	Ala	Ala	Ser	Leu	Gly	Pro	Val
				20					25					30
Ala	Ala	Phe	Lys	Val	Ala	Thr	Pro	Tyr	Ser	Leu	Tyr	Val	Cys	Pro
				35					40					45
Glu	Gly	Gln	Asn	Val	Thr	Leu	Thr	Cys	Arg	Leu	Leu	Gly	Pro	Val
				50					55					60
Asp	Lys	Gly	His	Asp	Val	Thr	Phe	Tyr	Lys	Thr	Trp	Tyr	Arg	Ser
				65					70					75
Ser	Arg	Gly	Glu	Val	Gln	Thr	Cys	Ser	Glu	Arg	Arg	Pro	Ile	Arg
				80					85					90
Asn	Leu	Thr	Phe	Gln	Asp	Leu	His	Leu	His	His	Gly	Gly	His	Gln
				95					100					105
Ala	Ala	Asn	Thr	Ser	His	Asp	Leu	Ala	Gln	Arg	His	Gly	Leu	Glu
				110					115					120
Ser	Ala	Ser	Asp	His	His	Gly	Asn	Phe	Ser	Ile	Thr	Met	Arg	Asn
				125					130					135
Leu	Thr	Leu	Leu	Asp	Ser	Gly	Leu	Tyr	Cys	Cys	Leu	Val	Val	Glu
				140					145					150
Ile	Arg	His	His	His	Ser	Glu	His	Arg	Val	His	Gly	Ala	Met	Glu
				155					160					165
Leu	Gln	Val	Gln	Thr	Gly	Lys	Asp	Ala	Pro	Ser	Asn	Cys	Val	Val
				170					175					180
Tyr	Pro	Ser	Ser	Ser	Gln	Glu	Ser	Glu	Asn	Ile	Thr	Ala	Ala	Ala
				185					190					195
Leu	Ala	Thr	Gly	Ala	Cys	Ile	Val	Gly	Ile	Leu	Cys	Leu	Pro	Leu
				200					205					210
Ile	Leu	Leu	Leu	Val	Tyr	Lys	Gln	Arg	Gln	Ala	Ala	Ser	Asn	Arg
				215					220					225
Arg	Ala	Gln	Glu	Leu	Val	Arg	Met	Asp	Ser	Asn	Ile	Gln	Gly	Ile
				230					235					240
Glu	Asn	Pro	Gly	Phe	Glu	Ala	Ser	Pro	Pro	Ala	Gln	Gly	Ile	Pro
				245					250					255
Glu	Ala	Lys	Val	Arg	His	Pro	Leu	Ser	Tyr	Val	Ala	Gln	Arg	Gln
				260					265					270

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Pro	Ser	Glu	Ser	Gly	Arg	His	Leu	Leu	Ser	Glu	Pro	Ser	Thr	Pro
				275					280					285
Leu	Ser	Pro	Pro	Gly	Pro	Gly	Asp	Val	Phe	Phe	Pro	Ser	Leu	Asp
				290					295					300
Pro	Val	Pro	Asp	Ser	Pro	Asn	Phe	Glu	Val	Ile				
				305					310					

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<211> 57
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1841607

<400>	25													
Met	Ala	Ser	Ser	Cys	Phe	Ser	Leu	Ser	Phe	Pro	Pro	Leu	Ser	Leu
1				5					10					15
Ala	Gly	Ser	Leu	Ala	Leu	Trp	Gly	His	Cys	Cys	Val	Arg	Leu	Gly
				20					25					30
Cys	Ser	Phe	Trp	Ser	Val	Ser	Ala	Met	Ala	Gln	Arg	Leu	Pro	Ser
				35					40					45
Gln	Asn	Thr	Tyr	Asn	Pro	Pro	Leu	Cys	Trp	Ala	Trp			
				50					55					

<210> 26
<211> 82
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1852391

<400>	26													
Met	Phe	Ser	Leu	Phe	Ser	Cys	Leu	Leu	Ala	Cys	Leu	Leu	Asp	Leu
1				5					10					15
Leu	Leu	Ser	Arg	Val	Ala	Asp	Glu	Ala	Phe	Tyr	Lys	Gln	Pro	Phe
				20					25					30
Ala	Asp	Val	Ile	Gly	Tyr	Val	Tyr	Val	Ala	Lys	Leu	Ile	Pro	Phe
				35					40					45
Ser	Thr	Ser	Asp	Ser	Phe	Tyr	Phe	Cys	Leu	Glu	Leu	Met	Leu	Leu
				50					55					60
Leu	Cys	His	Gln	Leu	Leu	Cys	Phe	Leu	Asn	Tyr	Phe	Lys	Leu	Ala
				65					70					75
Leu	Trp	Gly	Leu	Pro	Lys	Asn								
				80										

<210> 27
<211> 115
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature

<223> Incyte Clone No: 1854555

<400> 27

Met	Ala	Gly	Thr	Val	Leu	Gly	Val	Gly	Ala	Gly	Val	Phe	Ile	Leu	
1				5					10					15	
Ala	Leu	Leu	Trp	Val	Ala	Val	Leu	Leu	Leu	Cys	Val	Leu	Leu	Ser	
				20					25					30	
Arg	Ala	Ser	Gly	Ala	Ala	Arg	Phe	Ser	Val	Ile	Phe	Leu	Phe	Phe	
				35					40					45	
Gly	Ala	Val	Ile	Ile	Thr	Ser	Val	Leu	Leu	Leu	Phe	Pro	Arg	Ala	
				50					55					60	
Gly	Glu	Phe	Pro	Ala	Pro	Glu	Val	Glu	Val	Lys	Ile	Val	Asp	Asp	
				65					70					75	
Phe	Phe	Ile	Gly	Arg	Tyr	Val	Leu	Leu	Ala	Phe	Leu	Ser	Ala	Ile	
				80					85					90	
Phe	Leu	Gly	Gly	Leu	Phe	Leu	Val	Leu	Ile	His	Tyr	Val	Leu	Glu	
				95					100					105	
Pro	Ile	Tyr	Ala	Lys	Pro	Leu	His	Ser	Tyr						
				110					115						

<210> 28

<211> 327

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1855755

<400> 28

Met	Ala	Glu	Leu	Pro	Gly	Pro	Phe	Leu	Cys	Gly	Ala	Leu	Leu	Gly	
1				5					10					15	
Phe	Leu	Cys	Leu	Ser	Gly	Leu	Ala	Val	Glu	Val	Lys	Val	Pro	Thr	
				20					25					30	
Glu	Pro	Leu	Ser	Thr	Pro	Leu	Gly	Lys	Thr	Ala	Glu	Leu	Thr	Cys	
				35					40					45	
Thr	Tyr	Ser	Thr	Ser	Val	Gly	Asp	Ser	Phe	Ala	Leu	Glu	Trp	Ser	
				50					55					60	
Phe	Val	Gln	Pro	Gly	Lys	Pro	Ile	Ser	Glu	Ser	His	Pro	Ile	Leu	
				65					70					75	
Tyr	Phe	Thr	Asn	Gly	His	Leu	Tyr	Pro	Thr	Gly	Ser	Lys	Ser	Lys	
				80					85					90	
Arg	Val	Ser	Leu	Leu	Gln	Asn	Pro	Pro	Thr	Val	Gly	Val	Ala	Thr	
				95					100					105	
Leu	Lys	Leu	Thr	Asp	Val	His	Pro	Ser	Asp	Thr	Gly	Thr	Tyr	Leu	
				110					115					120	
Cys	Gln	Val	Asn	Asn	Pro	Pro	Asp	Phe	Tyr	Thr	Asn	Gly	Leu	Gly	
				125					130					135	
Leu	Ile	Asn	Leu	Thr	Val	Leu	Val	Pro	Pro	Ser	Asn	Pro	Leu	Cys	
				140					145					150	
Ser	Gln	Ser	Gly	Gln	Thr	Ser	Val	Gly	Gly	Ser	Thr	Ala	Leu	Arg	
				155					160					165	
Cys	Ser	Ser	Ser	Glu	Gly	Ala	Pro	Lys	Pro	Val	Tyr	Asn	Trp	Val	
				170					175					180	
Arg	Leu	Gly	Thr	Phe	Pro	Thr	Pro	Ser	Pro	Gly	Ser	Met	Val	Gln	
				185					190					195	
Asp	Glu	Val	Ser	Gly	Gln	Leu	Ile	Leu	Thr	Asn	Leu	Ser	Leu	Thr	
				200					205					210	
Ser	Ser	Gly	Thr	Tyr	Arg	Cys	Val	Ala	Thr	Asn	Gln	Met	Gly	Ser	
				215					220					225	
Ala	Ser	Cys	Glu	Leu	Thr	Leu	Ser	Val	Thr	Glu	Pro	Ser	Gln	Gly	
				230					235					240	

Arg	Val	Ala	Gly	Ala	Leu	Ile	Gly	Val	Leu	Leu	Gly	Val	Leu	Leu
				245					250					255
Leu	Ser	Val	Ala	Ala	Phe	Cys	Leu	Val	Arg	Phe	Gln	Lys	Glu	Arg
				260					265					270
Gly	Lys	Lys	Pro	Lys	Glu	Thr	Tyr	Gly	Gly	Ser	Asp	Leu	Arg	Glu
				275					280					285
Asp	Ala	Ile	Ala	Pro	Gly	Ile	Ser	Glu	His	Thr	Cys	Met	Arg	Ala
				290					295					300
Asp	Ser	Ser	Lys	Gly	Phe	Leu	Glu	Arg	Pro	Ser	Ser	Ala	Ser	Thr
				305					310					315
Val	Thr	Thr	Thr	Lys	Ser	Lys	Leu	Pro	Met	Val	Val			
				320					325					

<210> 29
 <211> 133
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1861434

<400> 29														
Met	Arg	Met	Ser	Leu	Ala	Gln	Arg	Val	Leu	Leu	Thr	Trp	Leu	Phe
1				5					10					15
Thr	Leu	Leu	Phe	Leu	Ile	Met	Leu	Val	Leu	Lys	Leu	Asp	Glu	Lys
				20					25					30
Ala	Pro	Trp	Asn	Trp	Phe	Leu	Ile	Phe	Ile	Pro	Val	Trp	Ile	Phe
				35					40					45
Asp	Thr	Ile	Leu	Leu	Val	Leu	Leu	Ile	Val	Lys	Met	Ala	Gly	Arg
				50					55					60
Cys	Lys	Ser	Gly	Phe	Asp	Pro	Arg	His	Gly	Ser	His	Asn	Ile	Lys
				65					70					75
Lys	Lys	Ala	Trp	Tyr	Leu	Ile	Ala	Met	Leu	Leu	Lys	Leu	Ala	Phe
				80					85					90
Cys	Leu	Ala	Leu	Cys	Ala	Lys	Leu	Glu	Gln	Phe	Thr	Thr	Met	Asn
				95					100					105
Leu	Ser	Tyr	Val	Phe	Ile	Pro	Leu	Trp	Ala	Leu	Leu	Ala	Gly	Ala
				110					115					120
Leu	Thr	Glu	Leu	Gly	Tyr	Asn	Val	Phe	Phe	Val	Arg	Asp		
				125					130					

<210> 30
 <211> 129
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1872334

<400> 30														
Met	Gly	Leu	Thr	Leu	Leu	Leu	Leu	Leu	Leu	Gly	Leu	Glu	Gly	
1				5					10					15
Gln	Gly	Ile	Val	Gly	Ser	Leu	Pro	Glu	Val	Leu	Gln	Ala	Pro	Val
				20					25					30
Gly	Ser	Ser	Ile	Leu	Val	Gln	Cys	His	Tyr	Arg	Leu	Gln	Asp	Val
				35					40					45
Lys	Ala	Gln	Lys	Val	Trp	Cys	Arg	Phe	Leu	Pro	Glu	Gly	Cys	Gln

Pro	Leu	Val	Ser	50	Ser	Ala	Val	Asp	Arg	55	Arg	Ala	Pro	Ala	Gly	60	Arg
Arg	Thr	Phe	Leu	65	Thr	Asp	Leu	Gly	Gly	70	Gly	Leu	Leu	Gln	Val	75	Glu
Met	Val	Thr	Leu	80	Gln	Glu	Glu	Asp	Ala	85	Gly	Glu	Tyr	Gly	Cys	90	Met
Val	Asp	Gly	Ala	95	Arg	Gly	Pro	Gln	Ile	100	Leu	His	Arg	Val	Ser	105	Leu
Asn	Ile	Leu	Pro	110	Pro	Gly	Glu	Leu	Ser	115						120	
				125													

<210> 31
 <211> 472
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877230

Met	Lys	Phe	Leu	Ile	Phe	Ala	Phe	Phe	Gly	31	Gly	Val	His	Leu	Leu
1				5					10						15
Ser	Leu	Cys	Ser	Gly	Lys	Ala	Ile	Cys	Lys	20	Asn	Gly	Ile	Ser	Lys
				25					25						30
Arg	Thr	Phe	Glu	Glu	Ile	Lys	Glu	Glu	Ile	35	Ala	Ser	Cys	Gly	Asp
				40					40						45
Val	Ala	Lys	Ala	Ile	Ile	Asn	Leu	Ala	Val	50	Tyr	Gly	Lys	Ala	Gln
				55					55						60
Asn	Arg	Ser	Tyr	Glu	Arg	Leu	Ala	Leu	Leu	65	Val	Asp	Thr	Val	Gly
				70					70						75
Pro	Arg	Leu	Ser	Gly	Ser	Lys	Asn	Leu	Glu	80	Lys	Ala	Ile	Gln	Ile
				85					85						90
Met	Tyr	Gln	Asn	Leu	Gln	Gln	Asp	Gly	Leu	95	Glu	Lys	Val	His	Leu
				100					100						105
Glu	Pro	Val	Arg	Ile	Pro	His	Trp	Glu	Arg	110	Gly	Glu	Glu	Ser	Ala
				115					115						120
Val	Met	Leu	Glu	Pro	Arg	Ile	His	Lys	Ile	125	Ala	Ile	Leu	Gly	Leu
				130					130						135
Gly	Ser	Ser	Ile	Gly	Thr	Pro	Pro	Glu	Gly	140	Ile	Thr	Ala	Glu	Val
				145					145						150
Leu	Val	Val	Thr	Ser	Phe	Asp	Glu	Leu	Gln	155	Arg	Arg	Ala	Ser	Glu
				160					160						165
Ala	Arg	Gly	Lys	Ile	Val	Val	Tyr	Asn	Gln	170	Pro	Tyr	Ile	Asn	Tyr
				175					175						180
Ser	Arg	Thr	Val	Gln	Tyr	Arg	Thr	Gln	Gly	185	Ala	Val	Glu	Ala	Ala
				190					190						195
Lys	Val	Gly	Ala	Leu	Ala	Ser	Leu	Ile	Arg	200	Ser	Val	Ala	Ser	Phe
				205					205						210
Ser	Ile	Tyr	Ser	Pro	His	Thr	Gly	Ile	Gln	215	Glu	Tyr	Gln	Asp	Gly
				220					220						225
Val	Pro	Lys	Ile	Pro	Thr	Ala	Cys	Ile	Thr	230	Val	Glu	Asp	Ala	Glu
				235					235						240
Met	Met	Ser	Arg	Met	Ala	Ser	His	Gly	Ile	245	Lys	Ile	Val	Ile	Gln
				250					250						255
Leu	Lys	Met	Gly	Ala	Lys	Thr	Tyr	Pro	Asp	260	Thr	Asp	Ser	Phe	Asn
				265					265						270
Thr	Val	Ala	Glu	Ile	Thr	Gly	Ser	Lys	Tyr	275	Pro	Glu	Gln	Val	Val
				280					280						285
Leu	Val	Ser	Gly	His	Leu	Asp	Ser	Trp	Asp	290	Val	Gly	Gln	Gly	Ala
				295					295						300

Met	Asp	Asp	Gly	Gly	Gly	Ala	Phe	Ile	Ser	Trp	Glu	Ala	Leu	Ser
				305					310					315
Leu	Ile	Lys	Asp	Leu	Gly	Leu	Arg	Pro	Lys	Arg	Thr	Leu	Arg	Leu
				320					325					330
Val	Leu	Trp	Thr	Ala	Glu	Glu	Gln	Gly	Gly	Val	Gly	Ala	Phe	Gln
				335					340					345
Tyr	Tyr	Gln	Leu	His	Lys	Val	Asn	Ile	Ser	Asn	Tyr	Ser	Leu	Val
				350					355					360
Met	Glu	Ser	Asp	Ala	Gly	Thr	Phe	Leu	Pro	Thr	Gly	Leu	Gln	Phe
				365					370					375
Thr	Gly	Ser	Glu	Lys	Ala	Arg	Ala	Ile	Met	Glu	Glu	Val	Met	Ser
				380					385					390
Leu	Leu	Gln	Pro	Leu	Asn	Ile	Thr	Gln	Val	Leu	Ser	His	Gly	Glu
				395					400					405
Gly	Thr	Asp	Ile	Asn	Phe	Trp	Ile	Gln	Ala	Gly	Val	Pro	Gly	Ala
				410					415					420
Ser	Leu	Leu	Asp	Asp	Leu	Tyr	Lys	Tyr	Phe	Phe	Phe	His	His	Ser
				425					430					435
His	Gly	Asp	Thr	Met	Thr	Val	Met	Asp	Pro	Lys	Gln	Met	Asn	Val
				440					445					450
Ala	Ala	Ala	Val	Trp	Ala	Val	Val	Ser	Tyr	Val	Val	Ala	Asp	Met
				455					460					465
Glu	Glu	Met	Leu	Pro	Arg	Ser								
				470										

<210> 32
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877885

<400>	32													
Met	Ile	His	Leu	Gly	His	Ile	Leu	Phe	Leu	Leu	Leu	Pro	Val	
1				5					10				15	
Ala	Ala	Ala	Gln	Thr	Thr	Pro	Gly	Glu	Arg	Ser	Ser	Leu	Pro	Ala
				20					25				30	
Phe	Tyr	Pro	Gly	Thr	Ser	Gly	Ser	Cys	Ser	Gly	Cys	Gly	Ser	Leu
				35					40				45	
Ser	Leu	Pro	Leu	Leu	Ala	Gly	Leu	Val	Ala	Ala	Asp	Ala	Val	Ala
				50					55				60	
Ser	Leu	Leu	Ile	Val	Gly	Ala	Val	Phe	Leu	Cys	Ala	Arg	Pro	Arg
				65					70				75	
Arg	Ser	Pro	Ala	Gln	Glu	Asp	Gly	Lys	Val	Tyr	Ile	Asn	Met	Pro
				80					85				90	
Gly	Arg	Gly												

<210> 33
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1889269

<400> 33

Met	Asn	Arg	Pro	Ser	Ala	Arg	Asn	Ala	Leu	Gly	Asn	Val	Phe	Val			
1				5					10					15			
Ser	Glu	Leu	Leu	Glu	Thr	Leu	Ala	Gln	Leu	Arg	Glu	Asp	Arg	Gln			
				20					25					30			
Val	Arg	Val	Leu	Leu	Phe	Arg	Ser	Gly	Val	Lys	Gly	Val	Phe	Cys			
				35					40					45			
Ala	Gly	Ala	Asp	Leu	Lys	Glu	Arg	Glu	Gln	Met	Ser	Glu	Ala	Glu			
				50					55					60			
Val	Gly	Val	Phe	Val	Gln	Arg	Leu	Arg	Gly	Leu	Met	Asn	Asp	Ile			
				65					70					75			
Gly	Glu	Asp	Leu	Gly	Val	Gly	Trp	Arg	Arg	Gly	Phe	Gly	Gly	Pro			
				80					85					90			
Cys	Arg																

<210> 34
 <211> 143
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1890243

Met	Trp	Ile	Lys	Gly	Thr	Met	Lys	Met	Arg	Gly	Gly	Lys	Thr	Ser			
1				5					10					15			
Arg	Ser	Ala	Val	Leu	Pro	Val	Ala	Gln	Leu	Thr	Leu	Ile	Ala	Ser			
				20					25					30			
Cys	Phe	Pro	Asn	Ser	Gln	Thr	Val	Leu	Gly	Thr	Glu	Gly	Thr	Leu			
				35					40					45			
Asp	Val	Glu	Ser	Ser	Pro	Leu	Ala	Leu	Leu	Thr	Gly	Leu	Trp	Ala			
				50					55					60			
Ser	Pro	Glu	Ser	Leu	Ser	Leu	Tyr	Leu	Val	Thr	Leu	Leu	Cys	Val			
				65					70					75			
Cys	Pro	Ala	Leu	Gln	Ser	Cys	Gln	Gly	Gln	Gln	Ala	Asp	Val	Thr			
				80					85					90			
Leu	Ala	Pro	Cys	Glu	Ile	Phe	Ile	Pro	Gln	Thr	Leu	Ala	Cys	Glu			
				95					100					105			
Pro	Phe	Pro	Ser	Gln	Trp	Arg	Ala	Leu	Lys	Gly	Ala	Ser	Leu	Glu			
				110					115					120			
Ser	Ser	Ser	Val	Leu	Trp	Val	Ala	Pro	Cys	Arg	Trp	Pro	Leu	Thr			
				125					130					135			
Leu	Arg	Cys	Ser	Arg	Val	His	Leu										
				140													

<210> 35
 <211> 89
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1900433

Met	Glu	Arg	Val	Thr	Leu	Ala	Leu	Leu	Leu	Leu	Ala	Gly	Leu	Thr			
1				5					10					15			
Ala	Leu	Glu	Ala	Asn	Asp	Pro	Phe	Ala	Asn	Lys	Asp	Asp	Pro	Phe			
				20					25					30			

Tyr	Tyr	Asp	Trp	Lys	Asn	Leu	Gln	Leu	Ser	Gly	Leu	Ile	Cys	Gly
				35					40					45
Gly	Leu	Leu	Ala	Ile	Ala	Gly	Ile	Ala	Ala	Val	Leu	Ser	Gly	Lys
				50					55					60
Cys	Lys	Tyr	Lys	Ser	Ser	Gln	Lys	Gln	His	Ser	Pro	Val	Pro	Glu
				65					70					75
Lys	Ala	Ile	Pro	Leu	Ile	Thr	Pro	Gly	Ser	Ala	Thr	Thr	Cys	
				80					85					

<210> 36
 <211> 560
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1909441

<400> 36

Met	Ala	Lys	Lys	Lys	Leu	Thr	Glu	Met	Ile	Pro	Leu	Cys	Asn	His
1				5					10					15
Pro	Ala	Ser	Phe	Val	Lys	Leu	Phe	Val	Ala	Leu	Gly	Pro	Ile	Ala
				20					25					30
Gly	Pro	Glu	Glu	Lys	Lys	Gln	Leu	Lys	Ser	Thr	Met	Leu	Leu	Met
				35					40					45
Ser	Glu	Asp	Leu	Thr	Gly	Glu	Gln	Ala	Leu	Ala	Val	Leu	Gly	Ala
				50					55					60
Met	Gly	Asp	Met	Glu	Ser	Arg	Asn	Ser	Cys	Leu	Ile	Lys	Arg	Val
				65					70					75
Thr	Ser	Val	Leu	His	Lys	His	Leu	Asp	Gly	Tyr	Lys	Pro	Leu	Glu
				80					85					90
Leu	Leu	Lys	Ile	Thr	Gln	Glu	Leu	Thr	Phe	Leu	His	Phe	Gln	Arg
				95					100					105
Lys	Glu	Phe	Phe	Ala	Lys	Leu	Arg	Glu	Leu	Leu	Leu	Ser	Tyr	Leu
				110					115					120
Lys	Asn	Ser	Phe	Ile	Pro	Thr	Glu	Val	Ser	Val	Leu	Val	Arg	Ala
				125					130					135
Ile	Ser	Leu	Leu	Pro	Ser	Pro	His	Leu	Asp	Glu	Val	Gly	Ile	Ser
				140					145					150
Arg	Ile	Glu	Ala	Val	Leu	Pro	Gln	Cys	Asp	Leu	Asn	Asn	Leu	Ser
				155					160					165
Ser	Phe	Ala	Thr	Ser	Val	Leu	Arg	Trp	Ile	Gln	His	Asp	His	Met
				170					175					180
Tyr	Leu	Asp	Asn	Met	Thr	Ala	Lys	Gln	Leu	Lys	Leu	Leu	Gln	Lys
				185					190					195
Leu	Asp	His	Tyr	Gly	Arg	Gln	Arg	Leu	Gln	His	Ser	Asn	Ser	Leu
				200					205					210
Asp	Leu	Leu	Arg	Lys	Glu	Leu	Lys	Ser	Leu	Lys	Gly	Asn	Thr	Phe
				215					220					225
Pro	Glu	Ser	Leu	Leu	Glu	Glu	Met	Ile	Ala	Thr	Leu	Gln	His	Phe
				230					235					240
Met	Asp	Asp	Ile	Asn	Tyr	Ile	Asn	Val	Gly	Glu	Ile	Ala	Ser	Phe
				245					250					255
Ile	Ser	Ser	Thr	Asp	Tyr	Leu	Ser	Thr	Leu	Leu	Leu	Asp	Arg	Ile
				260					265					270
Ala	Ser	Val	Ala	Val	Gln	Gln	Ile	Glu	Lys	Ile	His	Pro	Phe	Thr
				275					280					285
Ile	Pro	Ala	Ile	Ile	Arg	Pro	Phe	Ser	Val	Leu	Asn	Tyr	Asp	Pro
				290					295					300
Pro	Gln	Arg	Asp	Glu	Phe	Leu	Gly	Thr	Cys	Val	Gln	His	Leu	Asn
				305					310					315
Ser	Tyr	Leu	Gly	Ile	Leu	Asp	Pro	Phe	Ile	Leu	Val	Phe	Leu	Gly

	320		325		330
Phe Ser Leu Ala	Thr Leu Glu Tyr Phe	Pro Glu Asp Leu Leu	Lys		
	335		340		345
Ala Ile Phe Asn	Ile Lys Phe Leu Ala	Arg Leu Asp Ser Gln	Leu		
	350		355		360
Glu Ile Leu Ser	Pro Ser Arg Ser Ala	Arg Val Gln Phe His	Leu		
	365		370		375
Met Glu Leu Asn	Arg Ser Val Cys Leu	Glu Cys Pro Glu Phe	Gln		
	380		385		390
Ile Pro Trp Phe	His Asp Arg Phe Cys	Gln Gln Tyr Asn Lys	Gly		
	395		400		405
Ile Gly Gly Met	Asp Gly Thr Gln Gln	Gln Ile Phe Lys Met	Leu		
	410		415		420
Ala Glu Val Leu	Gly Gly Ile Asn Cys	Val Lys Ala Ser Val	Leu		
	425		430		435
Thr Pro Tyr Tyr	His Lys Val Asp Phe	Glu Cys Ile Leu Asp	Lys		
	440		445		450
Arg Lys Lys Pro	Leu Pro Tyr Gly Ser	His Asn Ile Ala Leu	Gly		
	455		460		465
Gln Leu Pro Glu	Met Pro Trp Glu Ser	Asn Ile Glu Ile Val	Gly		
	470		475		480
Ser Arg Leu Pro	Pro Gly Ala Glu Arg	Ile Ala Leu Glu Phe	Leu		
	485		490		495
Asp Ser Lys Ala	Leu Cys Arg Asn Ile	Pro His Met Lys Gly	Lys		
	500		505		510
Ser Ala Met Lys	Lys Arg His Leu Glu	Ile Leu Gly Tyr Arg	Val		
	515		520		525
Ile Gln Ile Ser	Gln Phe Glu Trp Asn	Ser Met Ala Leu Ser	Thr		
	530		535		540
Lys Asp Ala Arg	Met Asp Tyr Leu Arg	Glu Cys Ile Phe Gly	Glu		
	545		550		555
Val Lys Ser Cys	Leu				
	560				

<210> 37
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932226

<400> 37	
Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp	
1 5 10 15	
Pro Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg	
20 25 30	
Trp Val Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg	
35 40 45	
Leu Trp Leu Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg	
50 55 60	
Ala Leu Gln Gly Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala	
65 70 75	
Leu Tyr Pro Lys Thr Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro	
80 85 90	
Val Pro Gly Pro Arg Arg Arg Asn Pro Arg Thr Thr Gln His Pro	
95 100 105	
Leu Ala Leu Leu Ala Arg Val Trp Val Leu Cys Lys Gly Trp Asn	
110 115 120	
Trp Arg Leu Ala Arg Ala Ser Gln Gly Leu Ala Ser His Leu Pro	
125 130 135	

Pro	Trp	Ala	Ile	His	Thr	Leu	Ala	Ser	Trp	Gly	Leu	Leu	Arg	Gly
				140					145					150
Glu	Arg	Pro	Thr	Arg	Ile	Pro	Arg	Leu	Leu	Pro	Arg	Ser	Gln	Arg
				155					160					165
Gln	Leu	Gly	Pro	Pro	Ala	Ser	Arg	Gln	Pro	Leu	Pro	Gly	Thr	Leu
				170					175					180
Ala	Gly	Arg	Arg	Ser	Arg	Thr	Arg	Gln	Ser	Arg	Ala	Leu	Pro	Pro
				185					190					195
Trp	Arg													

<210> 38
 <211> 437
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932647

<400> 38

Met	Ser	Ala	Val	Leu	Leu	Leu	Ala	Leu	Leu	Gly	Phe	Ile	Leu	Pro
1				5					10					15
Leu	Pro	Gly	Val	Gln	Ala	Leu	Leu	Cys	Gln	Phe	Gly	Thr	Val	Gln
				20					25					30
His	Val	Trp	Lys	Val	Ser	Asp	Leu	Pro	Arg	Gln	Trp	Thr	Pro	Lys
				35					40					45
Asn	Thr	Ser	Cys	Asp	Ser	Gly	Leu	Gly	Cys	Gln	Asp	Thr	Leu	Met
				50					55					60
Leu	Ile	Glu	Ser	Gly	Pro	Gln	Val	Ser	Leu	Val	Leu	Ser	Lys	Gly
				65					70					75
Cys	Thr	Glu	Ala	Lys	Asp	Gln	Glu	Pro	Arg	Val	Thr	Glu	His	Arg
				80					85					90
Met	Gly	Pro	Gly	Leu	Ser	Leu	Ile	Ser	Tyr	Thr	Phe	Val	Cys	Arg
				95					100					105
Gln	Glu	Asp	Phe	Cys	Asn	Asn	Leu	Val	Asn	Ser	Leu	Pro	Leu	Trp
				110					115					120
Ala	Pro	Gln	Pro	Pro	Ala	Asp	Pro	Gly	Ser	Leu	Arg	Cys	Pro	Val
				125					130					135
Cys	Leu	Ser	Met	Glu	Gly	Cys	Leu	Glu	Gly	Thr	Thr	Glu	Glu	Ile
				140					145					150
Cys	Pro	Lys	Gly	Thr	Thr	His	Cys	Tyr	Asp	Gly	Leu	Leu	Arg	Leu
				155					160					165
Arg	Gly	Gly	Gly	Ile	Phe	Ser	Asn	Leu	Arg	Val	Gln	Gly	Cys	Met
				170					175					180
Pro	Gln	Pro	Gly	Cys	Asn	Leu	Leu	Asn	Gly	Thr	Gln	Glu	Ile	Gly
				185					190					195
Pro	Val	Gly	Met	Thr	Glu	Asn	Cys	Asn	Arg	Lys	Asp	Phe	Leu	Thr
				200					205					210
Cys	His	Arg	Gly	Thr	Thr	Ile	Met	Thr	His	Gly	Asn	Leu	Ala	Gln
				215					220					225
Glu	Pro	Thr	Asp	Trp	Thr	Thr	Ser	Asn	Thr	Glu	Met	Cys	Glu	Val
				230					235					240
Gly	Gln	Val	Cys	Gln	Glu	Thr	Leu	Leu	Leu	Ile	Asp	Val	Gly	Leu
				245					250					255
Thr	Ser	Thr	Leu	Val	Gly	Thr	Lys	Gly	Cys	Ser	Thr	Val	Gly	Ala
				260					265					270
Gln	Asn	Ser	Gln	Lys	Thr	Thr	Ile	His	Ser	Ala	Pro	Pro	Gly	Val
				275					280					285
Leu	Val	Ala	Ser	Tyr	Thr	His	Phe	Cys	Ser	Ser	Asp	Leu	Cys	Asn
				290					295					300
Ser	Ala	Ser	Ser	Ser	Ser	Val	Leu	Leu	Asn	Ser	Leu	Pro	Pro	Gln
				305					310					315

Ala	Ala	Pro	Val	Pro	Gly	Asp	Arg	Gln	Cys	Pro	Thr	Cys	Val	Gln
				320					325					330
Pro	Leu	Gly	Thr	Cys	Ser	Ser	Gly	Ser	Pro	Arg	Met	Thr	Cys	Pro
				335					340					345
Arg	Gly	Ala	Thr	His	Cys	Tyr	Asp	Gly	Tyr	Ile	His	Leu	Ser	Gly
				350					355					360
Gly	Gly	Leu	Ser	Thr	Lys	Met	Ser	Ile	Gln	Gly	Cys	Val	Ala	Gln
				365					370					375
Pro	Ser	Ser	Phe	Leu	Leu	Asn	His	Thr	Arg	Gln	Ile	Gly	Ile	Phe
				380					385					390
Ser	Ala	Arg	Glu	Lys	Arg	Asp	Val	Gln	Pro	Pro	Ala	Ser	Gln	His
				395					400					405
Glu	Gly	Gly	Gly	Ala	Glu	Gly	Leu	Glu	Ser	Leu	Thr	Trp	Gly	Val
				410					415					420
Gly	Leu	Ala	Leu	Ala	Pro	Ala	Leu	Trp	Trp	Gly	Val	Val	Cys	Pro
				425					430					435
Ser	Cys													

<210> 39
 <211> 330
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc feature
 <223> Incyte Clone No: 2124245

<400> 39														
Met	Glu	Gly	Ala	Pro	Pro	Gly	Ser	Leu	Ala	Leu	Arg	Leu	Leu	Leu
1				5					10					15
Phe	Val	Ala	Leu	Pro	Ala	Ser	Gly	Trp	Leu	Thr	Thr	Gly	Ala	Pro
				20					25					30
Glu	Pro	Pro	Pro	Leu	Ser	Gly	Ala	Pro	Gln	Asp	Gly	Ile	Arg	Ile
				35					40					45
Asn	Val	Thr	Thr	Leu	Lys	Asp	Asp	Gly	Asp	Ile	Ser	Lys	Gln	Gln
				50					55					60
Val	Val	Leu	Asn	Ile	Thr	Tyr	Glu	Ser	Gly	Gln	Val	Tyr	Val	Asn
				65					70					75
Asp	Leu	Pro	Val	Asn	Ser	Gly	Val	Thr	Arg	Ile	Ser	Cys	Gln	Thr
				80					85					90
Leu	Ile	Val	Lys	Asn	Glu	Asn	Leu	Glu	Asn	Leu	Glu	Glu	Lys	Glu
				95					100					105
Tyr	Phe	Gly	Ile	Val	Ser	Val	Arg	Ile	Leu	Val	His	Glu	Trp	Pro
				110					115					120
Met	Thr	Ser	Gly	Ser	Ser	Leu	Gln	Leu	Ile	Val	Ile	Gln	Glu	Glu
				125					130					135
Val	Val	Glu	Ile	Asp	Gly	Lys	Gln	Val	Gln	Gln	Lys	Asp	Val	Thr
				140					145					150
Glu	Ile	Asp	Ile	Leu	Val	Lys	Asn	Arg	Gly	Val	Leu	Arg	His	Ser
				155					160					165
Asn	Tyr	Thr	Leu	Pro	Leu	Glu	Glu	Ser	Met	Leu	Tyr	Ser	Ile	Ser
				170					175					180
Arg	Asp	Ser	Asp	Ile	Leu	Phe	Thr	Leu	Pro	Asn	Leu	Ser	Lys	Lys
				185					190					195
Glu	Ser	Val	Ser	Ser	Leu	Gln	Thr	Thr	Ser	Gln	Tyr	Leu	Ile	Arg
				200					205					210
Asn	Val	Glu	Thr	Thr	Val	Asp	Glu	Asp	Val	Leu	Pro	Gly	Lys	Leu
				215					220					225
Pro	Glu	Thr	Pro	Leu	Arg	Ala	Glu	Pro	Pro	Ser	Ser	Tyr	Lys	Val
				230					235					240
Met	Cys	Gln	Trp	Met	Glu	Lys	Phe	Arg	Lys	Asp	Leu	Cys	Arg	Phe
				245					250					255

Trp	Ser	Asn	Val	Phe	Pro	Val	Phe	Phe	Gln	Phe	Leu	Asn	Ile	Met
				260					265					270
Val	Val	Gly	Ile	Thr	Gly	Ala	Ala	Val	Val	Ile	Thr	Ile	Leu	Lys
				275					280					285
Val	Phe	Phe	Pro	Val	Ser	Glu	Tyr	Lys	Gly	Ile	Leu	Gln	Leu	Asp
				290					295					300
Lys	Val	Asp	Val	Ile	Pro	Val	Thr	Ala	Ile	Asn	Leu	Tyr	Pro	Asp
				305					310					315
Gly	Pro	Glu	Lys	Arg	Ala	Glu	Asn	Leu	Glu	Asp	Lys	Thr	Cys	Ile
				320					325					330

<210> 40
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2132626

Met	Glu	Thr	Gly	Ala	Leu	Arg	Arg	Pro	Gln	Leu	Leu	Pro	Leu	Leu
1				5					10					15
Leu	Leu	Leu	Cys	Gly	Gly	Cys	Pro	Arg	Ala	Gly	Gly	Cys	Asn	Glu
				20					25					30
Thr	Gly	Met	Leu	Glu	Arg	Leu	Pro	Leu	Cys	Gly	Lys	Ala	Phe	Ala
				35					40					45
Asp	Met	Met	Gly	Lys	Val	Asp	Val	Trp	Lys	Trp	Cys	Asn	Leu	Ser
				50					55					60
Glu	Phe	Ile	Val	Tyr	Tyr	Glu	Ser	Phe	Thr	Asn	Cys	Thr	Glu	Met
				65					70					75
Glu	Ala	Asn	Val	Val	Gly	Cys	Tyr	Trp	Pro	Asn	Pro	Leu	Ala	Gln
				80					85					90
Gly	Phe	Ile	Thr	Gly	Ile	His	Arg	Gln	Phe	Phe	Ser	Asn	Cys	Thr
				95					100					105
Val	Asp	Arg	Val	His	Leu	Glu	Asp	Pro	Pro	Asp	Glu	Val	Leu	Ile
				110					115					120
Pro	Leu	Ile	Val	Ile	Pro	Val	Val	Leu	Thr	Val	Ala	Met	Ala	Gly
				125					130					135
Leu	Val	Val	Trp	Arg	Ser	Lys	Arg	Thr	Asp	Thr	Leu	Leu		
				140					145					

<210> 41
 <211> 188
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280639

Met	Ala	Pro	Pro	Pro	Pro	Ser	Pro	Gln	Leu	Leu	Leu	Leu	Ala	Ala
1				5					10					15
Leu	Ala	Arg	Leu	Leu	Gly	Pro	Ser	Glu	Val	Met	Ala	Gly	Pro	Ala
				20					25					30
Glu	Glu	Ala	Gly	Ala	His	Cys	Pro	Glu	Ser	Leu	Trp	Pro	Leu	Pro
				35					40					45
Pro	Gln	Val	Ser	Pro	Arg	Val	Thr	Tyr	Thr	Arg	Val	Ser	Pro	Gly
				50					55					60

Gln	Ala	Glu	Asp	Val	Thr	Phe	Leu	Tyr	His	Pro	Cys	Ala	His	Pro
				65					70					75
Trp	Leu	Lys	Leu	Gln	Leu	Ala	Leu	Leu	Ala	Tyr	Ala	Cys	Met	Ala
				80					85					90
Asn	Pro	Ser	Leu	Thr	Pro	Asp	Phe	Ser	Leu	Thr	Gln	Asp	Arg	Pro
				95					100					105
Leu	Val	Leu	Thr	Ala	Trp	Gly	Leu	Ala	Leu	Glu	Met	Ala	Trp	Val
				110					115					120
Glu	Pro	Ala	Trp	Ala	Ala	His	Trp	Leu	Met	Arg	Arg	Arg	Arg	Arg
				125					130					135
Lys	Gln	Arg	Lys	Lys	Lys	Ala	Trp	Ile	Tyr	Cys	Glu	Ser	Leu	Ser
				140					145					150
Gly	Pro	Ala	Pro	Ser	Glu	Pro	Thr	Pro	Gly	Arg	Gly	Arg	Leu	Cys
				155					160					165
Arg	Arg	Gly	Cys	Val	Gln	Ala	Leu	Ala	Leu	Ala	Phe	Ala	Leu	Arg
				170					175					180
Thr	Gly	Gly	Pro	Leu	Ala	Gln	Arg							
				185										

<210> 42
 <211> 222
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2292356

<400> 42														
Met	Ala	Ala	Ala	Ala	Leu	Thr	Ser	Leu	Ser	Thr	Ser	Pro	Leu	Leu
1				5					10					15
Leu	Gly	Ala	Pro	Val	Ala	Ala	Phe	Ser	Pro	Glu	Pro	Gly	Leu	Glu
				20					25					30
Pro	Trp	Lys	Glu	Ala	Leu	Val	Arg	Pro	Pro	Gly	Ser	Tyr	Ser	Ser
				35					40					45
Ser	Ser	Asn	Ser	Gly	Asp	Trp	Gly	Trp	Asp	Leu	Ala	Ser	Asp	Gln
				50					55					60
Ser	Ser	Pro	Ser	Thr	Pro	Ser	Pro	Pro	Leu	Pro	Pro	Glu	Ala	Ala
				65					70					75
His	Phe	Leu	Phe	Gly	Glu	Pro	Thr	Leu	Arg	Lys	Arg	Lys	Ser	Pro
				80					85					90
Ala	Gln	Val	Met	Phe	Gln	Cys	Leu	Trp	Lys	Ser	Cys	Gly	Lys	Val
				95					100					105
Leu	Ser	Thr	Ala	Ser	Ala	Met	Gln	Arg	His	Ile	Arg	Leu	Val	His
				110					115					120
Leu	Gly	Cys	Gly	Gly	Ala	Trp	Gly	Ala	Ala	Gly	Pro	Ala	Gly	Trp
				125					130					135
Leu	Gly	Leu	Leu	Gly	Pro	Ala	Arg	Pro	Pro	Leu	Gln	Leu	Pro	Leu
				140					145					150
Ala	Gly	Cys	Val	Ser	Arg	Arg	Arg	Gln	Ala	Glu	Pro	Glu	Gln	Ser
				155					160					165
Asp	Gly	Glu	Glu	Asp	Phe	Tyr	Tyr	Thr	Glu	Leu	Asp	Val	Gly	Val
				170					175					180
Asp	Thr	Leu	Thr	Asp	Gly	Leu	Ser	Ser	Leu	Thr	Pro	Val	Phe	Pro
				185					190					195
Glu	Gly	Phe	His	Ala	Ser	Leu	Pro	Ser	Pro	Ala	Leu	Lys	Leu	Arg
				200					205					210
Arg	Leu	Gly	Gly	Thr	Arg	Gln	Pro	Arg	Gln	Tyr	Pro			
				215					220					

<210> 43
 <211> 111
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2349310

<400> 43
 Met Gly Pro Ser Ser Cys Leu Leu Leu Ile Leu Ile Pro Leu Leu
 1 5 10 15
 Gln Leu Ile Asn Leu Gly Ser Thr Gln Cys Ser Leu Asp Ser Val
 20 25 30
 Met Asp Lys Lys Ile Lys Asp Val Leu Asn Ser Leu Glu Tyr Ser
 35 40 45
 Pro Ser Pro Ile Ser Lys Lys Leu Ser Cys Ala Ser Val Lys Ser
 50 55 60
 Gln Gly Arg Pro Ser Ser Cys Pro Ala Gly Met Ala Val Thr Gly
 65 70 75
 Cys Ala Cys Gly Tyr Gly Cys Gly Ser Trp Asp Val Gln Leu Glu
 80 85 90
 Thr Thr Cys His Cys Gln Cys Ser Val Val Asp Trp Thr Thr Ala
 95 100 105
 Arg Cys Cys His Leu Thr
 110

<210> 44
 <211> 341
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2373227

<400> 44
 Met Val Pro Ala Ala Gly Ala Leu Leu Trp Val Leu Leu Leu Asn
 1 5 10 15
 Leu Gly Pro Arg Ala Ala Gly Ala Gln Gly Leu Thr Gln Thr Pro
 20 25 30
 Thr Glu Met Gln Arg Val Ser Leu Arg Phe Gly Gly Pro Met Thr
 35 40 45
 Arg Ser Tyr Arg Ser Thr Ala Arg Thr Gly Leu Pro Arg Lys Thr
 50 55 60
 Arg Ile Ile Leu Glu Asp Glu Asn Asp Ala Met Ala Asp Ala Asp
 65 70 75
 Arg Leu Ala Gly Pro Ala Ala Ala Glu Leu Leu Ala Ala Thr Val
 80 85 90
 Ser Thr Gly Phe Ser Arg Ser Ser Ala Ile Asn Glu Glu Asp Gly
 95 100 105
 Ser Ser Glu Glu Gly Val Val Ile Asn Ala Gly Lys Asp Ser Thr
 110 115 120
 Ser Arg Glu Leu Pro Ser Ala Thr Pro Asn Thr Ala Gly Ser Ser
 125 130 135
 Ser Thr Arg Phe Ile Ala Asn Ser Gln Glu Pro Glu Ile Arg Leu
 140 145 150
 Thr Ser Ser Leu Pro Arg Ser Pro Gly Arg Ser Thr Glu Asp Leu
 155 160 165
 Pro Gly Ser Gln Ala Thr Leu Ser Gln Trp Ser Thr Pro Gly Ser
 170 175 180
 Thr Pro Ser Arg Trp Pro Ser Pro Ser Pro Thr Ala Met Pro Ser

Pro	Glu	Asp	Leu	185	Arg	Leu	Val	Leu	Met	190	Pro	Trp	Gly	Pro	Trp	195	His
Cys	His	Cys	Lys	200	Ser	Gly	Thr	Met	Ser	205	Arg	Ser	Arg	Ser	Gly	210	Lys
Leu	His	Gly	Leu	215	Ser	Gly	Arg	Leu	Arg	220	Val	Gly	Ala	Leu	Ser	225	Gln
Leu	Arg	Thr	Glu	230	His	Lys	Pro	Cys	Thr	235	Tyr	Gln	Gln	Cys	Pro	240	Cys
Asn	Arg	Leu	Arg	245	Glu	Glu	Cys	Pro	Leu	250	Asp	Thr	Ser	Leu	Cys	255	Thr
Asp	Thr	Asn	Cys	260	Ala	Ser	Gln	Ser	Thr	265	Thr	Ser	Thr	Arg	Thr	270	Thr
Thr	Thr	Pro	Phe	275	Pro	Thr	Ile	His	Leu	280	Arg	Ser	Ser	Pro	Ser	285	Leu
Pro	Pro	Ala	Ser	290	Pro	Cys	Pro	Ala	Leu	295	Ala	Phe	Trp	Lys	Arg	300	Val
Arg	Ile	Gly	Leu	305	Glu	Asp	Ile	Trp	Asn	310	Ser	Leu	Ser	Ser	Val	315	Phe
Thr	Glu	Met	Gln	320	Pro	Ile	Asp	Arg	Asn	325	Gln	Arg				330	
				335						340							

<210> 45
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2457682

Met	Ala	Gly	Leu	Ala	Ala	Arg	Leu	Val	Leu	Leu	Ala	Gly	Ala	Ala			
1				5					10					15			
Ala	Leu	Ala	Ser	Gly	Ser	Gln	Gly	Asp	Arg	Glu	Pro	Val	Tyr	Arg			
				20					25					30			
Asp	Cys	Val	Leu	Gln	Cys	Glu	Glu	Gln	Asn	Cys	Ser	Gly	Gly	Ala			
				35					40					45			
Leu	Asn	His	Phe	Arg	Ser	Arg	Gln	Pro	Ile	Tyr	Met	Ser	Leu	Ala			
				50					55					60			
Gly	Trp	Thr	Cys	Arg	Asp	Asp	Cys	Lys	Tyr	Glu	Cys	Met	Trp	Val			
				65					70					75			
Thr	Val	Gly	Leu	Tyr	Leu	Gln	Glu	Gly	His	Lys	Val	Pro	Gln	Phe			
				80					85					90			
His	Gly	Lys	Trp	Pro	Phe	Ser	Arg	Phe	Leu	Phe	Phe	Gln	Glu	Pro			
				95					100					105			
Ala	Ser	Ala	Val	Ala	Ser	Phe	Leu	Asn	Gly	Leu	Ala	Ser	Leu	Val			
				110					115					120			
Met	Leu	Cys	Arg	Tyr	Arg	Thr	Phe	Val	Pro	Ala	Ser	Ser	Pro	Met			
				125					130					135			
Tyr	His	Thr	Cys	Val	Ala	Phe	Ala	Trp	Leu	Ser	Gly	Arg					
				140					145								

<210> 46
 <211> 87
 <212> PRT
 <213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2480426

<400> 46

Met	Arg	Pro	Leu	Leu	Val	Leu	Leu	Leu	Leu	Gly	Leu	Ala	Ala	Gly
1				5					10					15
Ser	Pro	Pro	Leu	Asp	Asp	Asn	Lys	Ile	Pro	Ser	Leu	Cys	Pro	Gly
			20						25					30
Leu	Pro	Gly	Pro	Arg	Gly	Asp	Pro	Gly	Pro	Arg	Gly	Glu	Ala	Gly
			35						40					45
Pro	Ala	Gly	Pro	Thr	Gly	Leu	Ala	Gly	Glu	Cys	Ser	Val	Pro	Pro
			50						55					60
Arg	Ser	Ala	Phe	Ser	Ala	Lys	Arg	Ser	Glu	Ile	Arg	Val	Pro	Pro
			65						70					75
Leu	Ser	Asp	Ala	Pro	Leu	Pro	Ser	Thr	Ala	Cys	Trp			
			80						85					

<210> 47

<211> 383

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2503743

<400> 47

Met	Ala	Gly	Ile	Pro	Gly	Leu	Leu	Phe	Leu	Leu	Phe	Phe	Leu	Leu
1				5					10					15
Cys	Ala	Val	Gly	Gln	Val	Ser	Pro	Tyr	Ser	Ala	Pro	Trp	Lys	Pro
			20						25					30
Thr	Trp	Pro	Ala	Tyr	Arg	Leu	Pro	Val	Val	Leu	Pro	Gln	Ser	Thr
			35						40					45
Leu	Asn	Leu	Ala	Lys	Pro	Asp	Phe	Gly	Ala	Glu	Ala	Lys	Leu	Glu
			50						55					60
Val	Ser	Ser	Ser	Cys	Gly	Pro	Gln	Cys	His	Lys	Gly	Thr	Pro	Leu
			65						70					75
Pro	Thr	Tyr	Glu	Glu	Ala	Lys	Gln	Tyr	Leu	Ser	Tyr	Glu	Thr	Leu
			80						85					90
Tyr	Ala	Asn	Gly	Ser	Arg	Thr	Glu	Thr	Gln	Val	Gly	Ile	Tyr	Ile
			95						100					105
Leu	Ser	Ser	Ser	Gly	Asp	Gly	Ala	Gln	His	Arg	Asp	Ser	Gly	Ser
			110						115					120
Ser	Gly	Lys	Ser	Arg	Arg	Lys	Arg	Gln	Ile	Tyr	Gly	Tyr	Asp	Ser
			125						130					135
Arg	Phe	Ser	Ile	Phe	Gly	Lys	Asp	Phe	Leu	Leu	Asn	Tyr	Pro	Phe
			140						145					150
Ser	Thr	Ser	Val	Lys	Leu	Ser	Thr	Gly	Cys	Thr	Gly	Thr	Leu	Val
			155						160					165
Ala	Glu	Lys	His	Val	Leu	Thr	Ala	Ala	His	Cys	Ile	His	Asp	Gly
			170						175					180
Lys	Thr	Tyr	Val	Lys	Gly	Thr	Gln	Lys	Leu	Arg	Val	Gly	Phe	Leu
			185						190					195
Lys	Pro	Lys	Phe	Lys	Asp	Gly	Gly	Arg	Gly	Ala	Asn	Asp	Ser	Thr
			200						205					210
Ser	Ala	Met	Pro	Glu	Gln	Met	Lys	Phe	Gln	Trp	Ile	Arg	Val	Lys
			215						220					225
Arg	Thr	His	Val	Pro	Lys	Gly	Trp	Ile	Lys	Gly	Asn	Ala	Asn	Asp
			230						235					240
Ile	Gly	Met	Asp	Tyr	Asp	Tyr	Ala	Leu	Leu	Glu	Leu	Lys	Lys	Pro
			245						250					255
His	Lys	Arg	Lys	Phe	Met	Lys	Ile	Gly	Val	Ser	Pro	Pro	Ala	Lys

	260		265		270
Gln Leu Pro Gly	Gly Arg Ile His Phe	Ser Gly Tyr Asp Asn Asp			
	275		280		285
Arg Pro Gly Asn	Leu Val Tyr Arg Phe	Cys Asp Val Lys Asp Glu			
	290		295		300
Thr Tyr Asp Leu	Leu Tyr Gln Gln Cys	Asp Ala Gln Pro Gly Ala			
	305		310		315
Ser Gly Ser Gly	Val Tyr Val Arg Met	Trp Lys Arg Gln Gln Gln			
	320		325		330
Lys Trp Glu Arg	Lys Ile Ile Gly Ile	Phe Ser Gly His Gln Trp			
	335		340		345
Val Asp Met Asn	Gly Ser Pro Gln Asp	Phe Asn Val Ala Val Arg			
	350		355		360
Ile Thr Pro Leu	Lys Tyr Ala Gln Ile	Cys Tyr Trp Ile Lys Gly			
	365		370		375
Asn Tyr Leu Asp	Cys Arg Glu Gly				
	380				

<210> 48
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2537684

<400> 48	
Met Leu Leu Pro Ala	Leu Cys Ala Trp Leu Leu Trp Val Pro Trp
1	5 10 15
Cys Leu Leu Val Ala	Gly Ser Gly Arg Ser Gly Gly Glu Leu Cys
	20 25 30
Cys Ser Ser Tyr Gly	Val Ser Val Ile Ser Val Trp Ser Lys Cys
	35 40 45
Ser Val Cys Arg Cys	Leu Met Gly Ser Val Pro Arg Ile Phe Phe
	50 55 60
Ala Phe Tyr Pro Ile	Ala Trp Leu Pro Leu Pro Gly Ser Gln Gly
	65 70 75
Cys Trp Ser Arg Ser	Trp Glu Trp Pro Leu Val Glu Pro Ala Ser
	80 85 90
Cys Leu Val Cys Leu	Cys Phe Thr Phe Gly Val Leu Ser Gly Val
	95 100 105
Val Ala Val Lys	

<210> 49
 <211> 185
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2593853

<400> 49	
Met Lys Phe Thr Ile	Val Phe Ala Gly Leu Leu Gly Val Phe Leu
1	5 10 15
Ala Pro Ala Leu Ala	Asn Tyr Asn Ile Asn Val Asn Asp Asp Asn
	20 25 30
Asn Asn Ala Gly Ser	Gly Gln Gln Ser Val Ser Val Asn Asn Glu

	35		40		45
His Asn Val Ala Asn Val Asp Asn Asn Asn Gly Trp Asp Ser Trp					
	50		55		60
Asn Ser Ile Trp Asp Tyr Gly Asn Gly Phe Ala Ala Thr Arg Leu					
	65		70		75
Phe Gln Lys Lys Thr Cys Ile Val His Lys Met Asn Lys Glu Val					
	80		85		90
Met Pro Ser Ile Gln Ser Leu Asp Ala Leu Val Lys Glu Lys Lys					
	95		100		105
Leu Gln Gly Lys Gly Pro Gly Gly Pro Pro Pro Lys Gly Leu Met					
	110		115		120
Tyr Ser Val Asn Pro Asn Lys Val Asp Asp Leu Ser Lys Phe Gly					
	125		130		135
Lys Asn Ile Ala Asn Met Cys Arg Gly Ile Pro Thr Tyr Met Ala					
	140		145		150
Glu Glu Met Gln Glu Ala Ser Leu Phe Phe Tyr Ser Gly Thr Cys					
	155		160		165
Tyr Thr Thr Ser Val Leu Trp Ile Val Asp Ile Ser Phe Cys Gly					
	170		175		180
Asp Thr Val Glu Asn					
	185				

<210> 50
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2622354

<400> 50	
Met Ala Pro Arg Gly Cys Ile Val Ala Val Phe Ala Ile Phe Cys	
1 5 10 15	
Ile Ser Arg Leu Leu Cys Ser His Gly Ala Pro Val Ala Pro Met	
20 25 30	
Thr Pro Tyr Leu Met Leu Cys Gln Pro His Lys Arg Cys Gly Asp	
35 40 45	
Lys Phe Tyr Asp Pro Leu Gln His Cys Cys Tyr Asp Asp Ala Val	
50 55 60	
Val Pro Leu Ala Arg Thr Gln Thr Cys Gly Asn Cys Thr Phe Arg	
65 70 75	
Val Cys Phe Glu Gln Cys Cys Pro Trp Thr Phe Met Val Lys Leu	
80 85 90	
Ile Asn Gln Asn Cys Asp Ser Ala Arg Thr Ser Asp Asp Arg Leu	
95 100 105	
Cys Arg Ser Val Ser	
110	

<210> 51
 <211> 126
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

<400> 51	
Met Trp Leu Gly Ser Trp Leu Thr Ser Leu Leu Leu Ser Pro Tyr	

1	5	10	15
Gly Ser Gly Trp Glu	Lys Val Pro Cys Cys	Val Thr Gly His Leu	
20	25	30	
Arg Ser Cys Ser Cys	Cys Leu Leu Gly Leu	Ala Gly Val Gln Ser	
35	40	45	
Asp His Phe Ser Glu	Gly Phe Phe Ser Glu	Tyr Ser Ser Asp Val	
50	55	60	
Leu Pro Trp Gly Arg	Arg Ser Phe Leu Pro	Gln Gly Asp Ala Ser	
65	70	75	
Leu Leu Ala Cys Glu	Cys Phe Leu His Leu	Gln Val Val Trp Gly	
80	85	90	
Gln Phe Cys Leu Leu	Glu Ala Trp Ala Gly	Phe Thr Glu Gly Ser	
95	100	105	
Met Pro Ala Pro Ser	Cys Arg Val His Phe	Trp Cys Arg Val Asn	
110	115	120	
Thr Cys Ala Phe Met	Ser		
125			

<210> 52
 <211> 488
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2674857

<400> 52
Met Ala Gly Lys Gly Ser Ser Gly Arg Arg Pro Leu Leu Leu Gly
1 5 10 15
Leu Leu Val Ala Val Ala Thr Val His Leu Val Ile Cys Pro Tyr
20 25 30
Thr Lys Val Glu Glu Ser Phe Asn Leu Gln Ala Thr His Asp Leu
35 40 45
Leu Tyr His Trp Gln Asp Leu Glu Gln Tyr Asp His Leu Glu Phe
50 55 60
Pro Gly Val Val Pro Arg Thr Phe Leu Gly Pro Val Val Ile Ala
65 70 75
Val Phe Ser Ser Pro Ala Val Tyr Val Leu Ser Leu Leu Glu Met
80 85 90
Ser Lys Phe Tyr Ser Gln Leu Ile Val Arg Gly Val Leu Gly Leu
95 100 105
Gly Val Ile Phe Gly Leu Trp Thr Leu Gln Lys Glu Val Arg Arg
110 115 120
His Phe Gly Ala Met Val Ala Thr Met Phe Cys Trp Val Thr Ala
125 130 135
Met Gln Phe His Leu Met Phe Tyr Cys Thr Arg Thr Leu Pro Asn
140 145 150
Val Leu Ala Leu Pro Val Val Leu Leu Ala Leu Ala Ala Trp Leu
155 160 165
Arg His Glu Trp Ala Arg Phe Ile Trp Leu Ser Ala Phe Ala Ile
170 175 180
Ile Val Phe Arg Val Glu Leu Cys Leu Phe Leu Gly Leu Leu Leu
185 190 195
Leu Leu Ala Leu Gly Asn Arg Lys Val Ser Val Val Arg Ala Leu
200 205 210
Arg His Ala Val Pro Ala Gly Ile Leu Cys Leu Gly Leu Thr Val
215 220 225
Ala Val Asp Ser Tyr Phe Trp Arg Gln Leu Thr Trp Pro Glu Gly
230 235 240
Lys Val Leu Trp Tyr Asn Thr Val Leu Asn Lys Ser Ser Asn Trp
245 250 255

Gly	Thr	Ser	Pro	Leu	Leu	Trp	Tyr	Phe	Tyr	Ser	Ala	Leu	Pro	Arg	
				260					265					270	
Gly	Leu	Gly	Cys	Ser	Leu	Leu	Phe	Ile	Pro	Leu	Gly	Leu	Val	Asp	
				275					280					285	
Arg	Arg	Thr	His	Ala	Pro	Thr	Val	Leu	Ala	Leu	Gly	Phe	Met	Ala	
				290					295					300	
Leu	Tyr	Ser	Leu	Leu	Pro	His	Lys	Glu	Leu	Arg	Phe	Ile	Ile	Tyr	
				305					310					315	
Ala	Phe	Pro	Met	Leu	Asn	Ile	Thr	Ala	Ala	Arg	Gly	Cys	Ser	Tyr	
				320					325					330	
Leu	Leu	Asn	Asn	Tyr	Lys	Lys	Ser	Trp	Leu	Tyr	Lys	Ala	Gly	Ser	
				335					340					345	
Leu	Leu	Val	Ile	Gly	His	Leu	Val	Val	Asn	Ala	Ala	Tyr	Ser	Ala	
				350					355					360	
Thr	Ala	Leu	Tyr	Val	Ser	His	Phe	Asn	Tyr	Pro	Gly	Gly	Val	Ala	
				365					370					375	
Met	Gln	Arg	Leu	His	Gln	Leu	Val	Pro	Pro	Gln	Thr	Asp	Val	Leu	
				380					385					390	
Leu	His	Ile	Asp	Val	Ala	Ala	Ala	Gln	Thr	Gly	Val	Ser	Arg	Phe	
				395					400					405	
Leu	Gln	Val	Asn	Ser	Ala	Trp	Arg	Tyr	Asp	Lys	Arg	Glu	Asp	Val	
				410					415					420	
Gln	Pro	Gly	Thr	Gly	Met	Leu	Ala	Tyr	Thr	His	Ile	Leu	Met	Glu	
				425					430					435	
Ala	Ala	Pro	Gly	Leu	Leu	Ala	Leu	Tyr	Arg	Asp	Thr	His	Arg	Val	
				440					445					450	
Leu	Ala	Ser	Val	Val	Gly	Thr	Thr	Gly	Val	Ser	Leu	Asn	Leu	Thr	
				455					460					465	
Gln	Leu	Pro	Pro	Phe	Asn	Val	His	Leu	Gln	Thr	Lys	Leu	Val	Leu	
				470					475					480	
Leu	Glu	Arg	Leu	Pro	Arg	Pro	Ser								
				485											

<210> 53
 <211> 197
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2758485

<400> 53															
Met	Ser	Pro	Arg	Arg	Thr	Leu	Pro	Arg	Pro	Leu	Ser	Leu	Cys	Leu	
1				5					10					15	
Ser	Leu	Cys	Leu	Cys	Leu	Cys	Leu	Ala	Ala	Ala	Leu	Gly	Ser	Ala	
				20					25					30	
Gln	Ser	Gly	Ser	Cys	Arg	Asp	Lys	Lys	Asn	Cys	Lys	Val	Val	Phe	
				35					40					45	
Ser	Gln	Gln	Glu	Leu	Arg	Lys	Arg	Leu	Thr	Pro	Leu	Gln	Tyr	His	
				50					55					60	
Val	Thr	Gln	Glu	Lys	Gly	Thr	Glu	Ser	Ala	Phe	Glu	Gly	Glu	Tyr	
				65					70					75	
Thr	His	His	Lys	Asp	Pro	Gly	Ile	Tyr	Lys	Cys	Val	Val	Cys	Gly	
				80					85					90	
Thr	Pro	Leu	Phe	Lys	Ser	Glu	Thr	Lys	Phe	Asp	Ser	Gly	Ser	Gly	
				95					100					105	
Trp	Pro	Ser	Phe	His	Asp	Val	Ile	Asn	Ser	Glu	Ala	Ile	Thr	Phe	
				110					115					120	
Thr	Asp	Asp	Phe	Ser	Tyr	Gly	Met	His	Arg	Val	Glu	Thr	Ser	Cys	
				125					130					135	
Ser	Gln	Cys	Gly	Ala	His	Leu	Gly	His	Ile	Phe	Asp	Asp	Gly	Pro	

				140					145					150
Arg	Pro	Thr	Gly	Lys	Arg	Tyr	Cys	Ile	Asn	Ser	Ala	Ala	Leu	Ser
				155					160					165
Phe	Thr	Pro	Ala	Asp	Ser	Ser	Gly	Thr	Ala	Glu	Gly	Gly	Ser	Gly
				170					175					180
Val	Ala	Ser	Pro	Ala	Gln	Ala	Asp	Lys	Ala	Asp	Ser	Glu	Ser	Asn
				185					190					195
Gly	Glu													

<210> 54
 <211> 84
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2763296

Met	Thr	Pro	Gln	Ser	Leu	Leu	Gln	Thr	Thr	Leu	Phe	Leu	Leu	Ser
1				5					10					15
Leu	Leu	Phe	Leu	Val	Gln	Gly	Ala	His	Gly	Arg	Gly	His	Arg	Glu
				20					25					30
Asp	Phe	Arg	Phe	Cys	Ser	Gln	Arg	Asn	Gln	Thr	His	Arg	Ser	Ser
				35					40					45
Leu	His	Tyr	Tyr	Trp	Ser	Met	Arg	Leu	Gln	Ala	Arg	Gly	Gly	Pro
				50					55					60
Ser	Pro	Leu	Lys	Ser	Asn	Ser	Asp	Ser	Ala	Arg	Leu	Pro	Ile	Ser
				65					70					75
Ser	Gly	Ser	Thr	Ser	Ser	Ser	Arg	Ile						
				80										

<210> 55
 <211> 97
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2779436

Met	Gln	Leu	Gly	Thr	Gly	Leu	Leu	Leu	Ala	Ala	Val	Leu	Ser	Leu
1				5					10					15
Gln	Leu	Ala	Ala	Ala	Glu	Ala	Ile	Trp	Cys	His	Gln	Cys	Thr	Gly
				20					25					30
Phe	Gly	Gly	Cys	Ser	His	Gly	Ser	Arg	Cys	Leu	Arg	Asp	Ser	Thr
				35					40					45
His	Cys	Val	Thr	Thr	Ala	Thr	Arg	Val	Leu	Ser	Asn	Thr	Glu	Asp
				50					55					60
Leu	Pro	Leu	Val	Thr	Lys	Met	Cys	His	Ile	Gly	Cys	Pro	Asp	Ile
				65					70					75
Pro	Ser	Leu	Gly	Leu	Gly	Pro	Tyr	Val	Ser	Ile	Ala	Cys	Cys	Gln
				80					85					90
Thr	Ser	Leu	Cys	Asn	His	Asp								
				95										

<210> 56
 <211> 140
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2808528

<400> 56
 Met Ala Ala Ser Leu Gly Gln Val Leu Ala Leu Val Leu Val Ala
 1 5 10 15
 Ala Leu Trp Gly Gly Thr Gln Pro Leu Leu Lys Arg Ala Ser Ala
 20 25 30
 Gly Leu Gln Arg Val His Glu Pro Thr Trp Ala Gln Gln Leu Leu
 35 40 45
 Gln Glu Met Lys Thr Leu Phe Leu Asn Thr Glu Tyr Leu Met Pro
 50 55 60
 Phe Leu Leu Asn Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu
 65 70 75
 Ala Ser Thr Asp Leu Thr Leu Ala Val Pro Ile Cys Asn Ser Leu
 80 85 90
 Ala Ile Ile Phe Thr Leu Ile Val Gly Lys Ala Leu Gly Glu Asp
 95 100 105
 Ile Gly Gly Lys Arg Ala Val Ala Gly Met Val Leu Thr Val Ile
 110 115 120
 Gly Ile Ser Leu Cys Ile Thr Ser Ser Val Ser Lys Thr Gln Gly
 125 130 135
 Gln Gln Ser Thr Leu
 140

<210> 57
 <211> 285
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2809230

<400> 57
 Met Glu Val Pro Pro Pro Ala Pro Arg Ser Phe Leu Cys Arg Ala
 1 5 10 15
 Leu Cys Leu Phe Pro Arg Val Phe Ala Ala Glu Ala Val Thr Ala
 20 25 30
 Asp Ser Glu Val Leu Glu Glu Arg Gln Lys Arg Leu Pro Tyr Val
 35 40 45
 Pro Glu Pro Tyr Tyr Pro Glu Ser Gly Trp Asp Arg Leu Arg Glu
 50 55 60
 Leu Phe Gly Lys Asp Glu Gln Gln Arg Ile Ser Lys Asp Leu Ala
 65 70 75
 Asn Ile Cys Lys Thr Ala Ala Thr Ala Gly Ile Ile Gly Trp Val
 80 85 90
 Tyr Gly Gly Ile Pro Ala Phe Ile His Ala Lys Gln Gln Tyr Ile
 95 100 105
 Glu Gln Ser Gln Ala Glu Ile Tyr His Asn Arg Phe Asp Ala Val
 110 115 120
 Gln Ser Ala His Arg Ala Ala Thr Arg Gly Phe Ile Arg Tyr Gly
 125 130 135
 Trp Arg Trp Gly Trp Arg Thr Ala Val Phe Val Thr Ile Phe Asn
 140 145 150

Thr	Val	Asn	Thr	Ser	Leu	Asn	Val	Tyr	Arg	Asn	Lys	Asp	Ala	Leu	
				155					160					165	
Ser	His	Phe	Val	Ile	Ala	Gly	Ala	Val	Thr	Gly	Ser	Leu	Phe	Arg	
				170					175					180	
Ile	Asn	Val	Gly	Leu	Arg	Gly	Leu	Val	Ala	Gly	Gly	Ile	Ile	Gly	
				185					190					195	
Ala	Leu	Leu	Gly	Thr	Pro	Val	Gly	Gly	Leu	Leu	Met	Ala	Phe	Gln	
				200					205					210	
Lys	Tyr	Ser	Gly	Glu	Thr	Val	Gln	Glu	Arg	Lys	Gln	Lys	Asp	Arg	
				215					220					225	
Lys	Ala	Leu	His	Glu	Leu	Lys	Leu	Glu	Glu	Trp	Lys	Gly	Arg	Leu	
				230					235					240	
Gln	Val	Thr	Glu	His	Leu	Pro	Glu	Lys	Ile	Glu	Ser	Ser	Leu	Gln	
				245					250					255	
Glu	Asp	Glu	Pro	Glu	Asn	Asp	Ala	Lys	Lys	Ile	Glu	Ala	Leu	Leu	
				260					265					270	
Asn	Leu	Pro	Arg	Asn	Pro	Ser	Val	Ile	Asp	Lys	Gln	Asp	Lys	Asp	
				275					280					285	

<210> 58
 <211> 262
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2816821

<400> 58

Met	Thr	Gln	Pro	Val	Pro	Arg	Leu	Ser	Val	Pro	Ala	Ala	Leu	Ala	
1				5					10					15	
Leu	Gly	Ser	Ala	Ala	Leu	Gly	Ala	Ala	Phe	Ala	Thr	Gly	Leu	Phe	
				20					25					30	
Leu	Gly	Arg	Arg	Cys	Pro	Pro	Trp	Arg	Gly	Arg	Arg	Glu	Gln	Cys	
				35					40					45	
Leu	Leu	Pro	Pro	Glu	Asp	Ser	Arg	Leu	Trp	Gln	Tyr	Leu	Leu	Ser	
				50					55					60	
Arg	Ser	Met	Arg	Glu	His	Pro	Ala	Leu	Arg	Ser	Leu	Arg	Leu	Leu	
				65					70					75	
Thr	Leu	Glu	Gln	Pro	Gln	Gly	Asp	Ser	Met	Met	Thr	Cys	Glu	Gln	
				80					85					90	
Ala	Gln	Leu	Leu	Ala	Asn	Leu	Ala	Arg	Leu	Ile	Gln	Ala	Lys	Lys	
				95					100					105	
Ala	Leu	Asp	Leu	Gly	Thr	Phe	Thr	Gly	Tyr	Ser	Ala	Leu	Ala	Leu	
				110					115					120	
Ala	Leu	Ala	Leu	Pro	Ala	Asp	Gly	Arg	Val	Val	Thr	Cys	Glu	Val	
				125					130					135	
Asp	Ala	Gln	Pro	Pro	Glu	Leu	Gly	Arg	Pro	Leu	Trp	Arg	Gln	Ala	
				140					145					150	
Glu	Ala	Glu	His	Lys	Ile	Asp	Leu	Arg	Leu	Lys	Pro	Ala	Leu	Glu	
				155					160					165	
Thr	Leu	Asp	Glu	Leu	Leu	Ala	Ala	Gly	Glu	Ala	Gly	Thr	Phe	Asp	
				170					175					180	
Val	Ala	Val	Val	Asp	Ala	Asp	Lys	Glu	Asn	Cys	Ser	Ala	Tyr	Tyr	
				185					190					195	
Glu	Arg	Cys	Leu	Gln	Leu	Leu	Arg	Pro	Gly	Gly	Ile	Leu	Ala	Val	
				200					205					210	
Leu	Arg	Val	Leu	Trp	Arg	Gly	Lys	Val	Leu	Gln	Pro	Pro	Lys	Gly	
				215					220					225	
Asp	Val	Ala	Ala	Glu	Cys	Val	Arg	Asn	Leu	Asn	Glu	Arg	Ile	Arg	
				230					235					240	
Arg	Asp	Val	Arg	Val	Tyr	Ile	Ser	Leu	Leu	Pro	Leu	Gly	Asp	Gly	

	245	250	255
Leu Thr Leu Ala	Phe Lys Ile		
	260		

<210> 59
 <211> 189
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2817268

<400> 59
 Met Ala Leu Leu Ser Arg Pro Ala Leu Thr Leu Leu Leu Leu Leu
 1 5 10 15
 Met Ala Ala Val Val Arg Cys Gln Glu Gln Ala Gln Thr Thr Asp
 20 25 30
 Trp Arg Ala Thr Leu Lys Thr Ile Arg Asn Gly Val His Lys Ile
 35 40 45
 Asp Thr Tyr Leu Asn Ala Ala Leu Asp Leu Leu Gly Gly Glu Asp
 50 55 60
 Gly Leu Cys Gln Tyr Lys Cys Ser Asp Gly Ser Lys Pro Phe Pro
 65 70 75
 Arg Tyr Gly Tyr Lys Pro Ser Pro Pro Asn Gly Cys Gly Ser Pro
 80 85 90
 Leu Phe Gly Val His Leu Asn Ile Gly Ile Pro Ser Leu Thr Lys
 95 100 105
 Cys Cys Asn Gln His Asp Arg Cys Tyr Glu Thr Cys Gly Lys Ser
 110 115 120
 Lys Asn Asp Cys Asp Glu Glu Phe Gln Tyr Cys Leu Ser Lys Ile
 125 130 135
 Cys Arg Asp Val Gln Lys Thr Leu Gly Leu Thr Gln His Val Gln
 140 145 150
 Ala Cys Glu Thr Thr Val Glu Leu Leu Phe Asp Ser Val Ile His
 155 160 165
 Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala Cys Arg
 170 175 180
 Cys His Tyr Glu Glu Lys Thr Asp Leu
 185

<210> 60
 <211> 257
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2923165

<400> 60
 Met Thr Ala Ala Val Phe Phe Gly Cys Ala Phe Ile Ala Phe Gly
 1 5 10 15
 Pro Ala Leu Ala Leu Tyr Val Phe Thr Ile Ala Thr Glu Pro Leu
 20 25 30
 Arg Ile Ile Phe Leu Ile Ala Gly Ala Phe Phe Trp Leu Val Ser
 35 40 45
 Leu Leu Ile Ser Ser Leu Val Trp Phe Met Ala Arg Val Ile Ile
 50 55 60
 Asp Asn Lys Asp Gly Pro Thr Gln Lys Tyr Leu Leu Ile Phe Gly

Ala	Phe	Val	Ser	Val	Tyr	Ile	Gln	Glu	Met	Phe	Arg	Phe	Ala	Tyr	65	70	75
Tyr	Lys	Leu	Leu	Lys	Lys	Ala	Ser	Glu	Gly	Leu	Lys	Ser	Ile	Asn	80	85	90
Pro	Gly	Glu	Thr	Ala	Pro	Ser	Met	Arg	Leu	Leu	Ala	Tyr	Val	Ser	95	100	105
Gly	Leu	Gly	Phe	Gly	Ile	Met	Ser	Gly	Val	Phe	Ser	Phe	Val	Asn	110	115	120
Thr	Leu	Ser	Asp	Ser	Leu	Gly	Pro	Gly	Thr	Val	Gly	Ile	His	Gly	125	130	135
Asp	Ser	Pro	Gln	Phe	Phe	Leu	Tyr	Ser	Ala	Phe	Met	Thr	Leu	Val	140	145	150
Ile	Ile	Leu	Leu	His	Val	Phe	Trp	Gly	Ile	Val	Phe	Phe	Asp	Gly	155	160	165
Cys	Glu	Lys	Lys	Lys	Trp	Gly	Ile	Leu	Leu	Ile	Val	Leu	Leu	Thr	170	175	180
His	Leu	Leu	Val	Ser	Ala	Gln	Thr	Phe	Ile	Ser	Ser	Tyr	Tyr	Gly	185	190	195
Ile	Asn	Leu	Ala	Ser	Ala	Phe	Ile	Ile	Leu	Val	Leu	Met	Gly	Thr	200	205	210
Trp	Ala	Phe	Leu	Ala	Ala	Gly	Gly	Ser	Cys	Arg	Ser	Leu	Lys	Leu	215	220	225
Cys	Leu	Leu	Cys	Gln	Asp	Lys	Asn	Phe	Leu	Leu	Tyr	Asn	Gln	Arg	230	235	240
Ser	Arg														245	250	255

<210> 61
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2949822

Met	Pro	Phe	Ser	Trp	Met	Val	Ile	Ile	Leu	Gly	Phe	Leu	Cys	Gly	<400> 61
1				5					10					15	
Leu	Ser	Gly	Gln	Leu	Gln	Ile	Met	Asn	Thr	Leu	Ser	Ser	Leu	Pro	
				20					25					30	
Ile	Val	Leu	Leu	Val	Ser	Ser	Ser	Cys	Leu	Ile	Leu	Ala	Arg	Met	
				35					40					45	
Ser	Tyr	Ser	Ile	Leu	Thr	Ser	Ser	Tyr	Gly	Gly	Gly	Val	Phe	Ile	
				50					55					60	
Leu	Leu	Asp	Leu	Lys	Arg	Asn	Thr	Ser	Lys	Val	Ser	Pro	Leu	Met	
				65					70					75	
Met	Met	Phe	Ala	Ile	Gly	His									
				80											

<210> 62
 <211> 202
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992192

<400> 62

Met	Ala	Ala	Pro	Trp	Arg	Arg	Trp	Pro	Thr	Gly	Leu	Leu	Ala	Val
1				5					10					15
Leu	Arg	Pro	Leu	Leu	Thr	Cys	Arg	Pro	Leu	Gln	Gly	Thr	Thr	Leu
				20					25					30
Gln	Arg	Asp	Val	Leu	Leu	Phe	Glu	His	Asp	Arg	Gly	Arg	Phe	Phe
				35					40					45
Thr	Ile	Leu	Gly	Leu	Phe	Cys	Ala	Gly	Gln	Gly	Val	Phe	Trp	Ala
				50					55					60
Ser	Met	Ala	Val	Ala	Ala	Val	Ser	Arg	Pro	Pro	Val	Pro	Val	Gln
				65					70					75
Pro	Leu	Asp	Ala	Glu	Val	Pro	Asn	Arg	Gly	Pro	Phe	Asp	Leu	Arg
				80					85					90
Ser	Ala	Leu	Trp	Arg	Tyr	Gly	Leu	Ala	Val	Gly	Cys	Gly	Ala	Ile
				95					100					105
Gly	Ala	Leu	Val	Leu	Gly	Ala	Gly	Leu	Leu	Phe	Ser	Leu	Arg	Ser
				110					115					120
Val	Arg	Ser	Val	Val	Leu	Arg	Ala	Gly	Gly	Gln	Gln	Val	Thr	Leu
				125					130					135
Thr	Thr	His	Ala	Pro	Phe	Gly	Leu	Gly	Ala	His	Phe	Thr	Val	Pro
				140					145					150
Leu	Lys	Gln	Val	Ser	Cys	Met	Ala	His	Arg	Gly	Glu	Val	Pro	Ala
				155					160					165
Met	Leu	Pro	Leu	Lys	Val	Lys	Gly	Arg	Arg	Phe	Tyr	Phe	Leu	Leu
				170					175					180
Asp	Lys	Thr	Gly	His	Phe	Pro	Asn	Thr	Lys	Leu	Phe	Asp	Asn	Thr
				185					190					195
Val	Gly	Ala	Tyr	Arg	Ser	Leu								
				200										

<210> 63
 <211> 450
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992458

Met	Leu	Val	Thr	Ala	Tyr	Leu	Ala	Phe	Val	Gly	Leu	Leu	Ala	Ser
1				5					10					15
Cys	Leu	Gly	Leu	Glu	Leu	Ser	Arg	Cys	Arg	Ala	Lys	Pro	Pro	Gly
				20					25					30
Arg	Ala	Cys	Ser	Asn	Pro	Ser	Phe	Leu	Arg	Phe	Gln	Leu	Asp	Phe
				35					40					45
Tyr	Gln	Val	Tyr	Phe	Leu	Ala	Leu	Ala	Ala	Asp	Trp	Leu	Gln	Ala
				50					55					60
Pro	Tyr	Leu	Tyr	Lys	Leu	Tyr	Gln	His	Tyr	Tyr	Phe	Leu	Glu	Gly
				65					70					75
Gln	Ile	Ala	Ile	Leu	Tyr	Val	Cys	Gly	Leu	Ala	Ser	Thr	Val	Leu
				80					85					90
Phe	Gly	Leu	Val	Ala	Ser	Ser	Leu	Val	Asp	Trp	Leu	Gly	Arg	Lys
				95					100					105
Asn	Ser	Cys	Val	Leu	Phe	Ser	Leu	Thr	Tyr	Ser	Leu	Cys	Cys	Leu
				110					115					120
Thr	Lys	Leu	Ser	Gln	Asp	Tyr	Phe	Val	Leu	Leu	Val	Gly	Arg	Ala
				125					130					135
Leu	Gly	Gly	Leu	Ser	Thr	Ala	Leu	Leu	Phe	Ser	Ala	Phe	Glu	Ala
				140					145					150
Trp	Tyr	Ile	His	Glu	His	Val	Glu	Arg	His	Asp	Phe	Pro	Ala	Glu
				155					160					165
Trp	Ile	Pro	Ala	Thr	Phe	Ala	Arg	Ala	Ala	Phe	Trp	Asn	His	Val

170	175	180
Leu Ala Val Val	Ala Gly Val Ala Ala	Glu Ala Val Ala Ser Trp
185	190	195
Ile Gly Leu Gly	Pro Val Ala Pro Phe	Val Ala Ala Ile Pro Leu
200	205	210
Leu Ala Leu Ala	Gly Ala Leu Ala Leu	Arg Asn Trp Gly Glu Asn
215	220	225
Tyr Asp Arg Gln	Arg Ala Phe Ser Arg	Thr Cys Ala Gly Gly Leu
230	235	240
Arg Cys Leu Leu	Ser Asp Arg Arg Val	Leu Leu Gly Thr Ile
245	250	255
Gln Ala Leu Phe	Glu Ser Val Ile Phe	Ile Phe Val Phe Leu Trp
260	265	270
Thr Pro Val Leu	Asp Pro His Gly Ala	Pro Leu Gly Ile Ile Phe
275	280	285
Ser Ser Phe Met	Ala Ala Ser Leu Leu	Gly Ser Ser Leu Tyr Arg
290	295	300
Ile Ala Thr Ser	Lys Arg Tyr His Leu	Gln Pro Met His Leu Leu
305	310	315
Ser Leu Ala Val	Leu Ile Val Val Phe	Ser Leu Phe Met Leu Thr
320	325	330
Phe Ser Thr Ser	Pro Gly Gln Glu Ser	Pro Val Glu Ser Phe Ile
335	340	345
Ala Phe Leu Leu	Ile Glu Leu Ala Cys	Gly Leu Tyr Phe Pro Ser
350	355	360
Met Ser Phe Leu	Arg Arg Lys Val Ile	Pro Glu Thr Glu Gln Ala
365	370	375
Gly Val Leu Asn	Trp Phe Arg Val Pro	Leu His Ser Leu Ala Cys
380	385	390
Leu Gly Leu Leu	Val Leu His Asp Ser	Asp Arg Lys Thr Gly Thr
395	400	405
Arg Asn Met Phe	Ser Ile Cys Ser Ala	Val Met Val Met Ala Leu
410	415	420
Leu Ala Val Val	Gly Leu Phe Thr Val	Val Arg His Asp Ala Glu
425	430	435
Leu Arg Val Pro	Ser Pro Thr Glu Glu	Pro Tyr Ala Pro Glu Leu
440	445	450

<210> 64
 <211> 322
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3044710

<400> 64
Met Ala Arg Cys Phe Ser Leu Val Leu Leu Leu Thr Ser Ile Trp
1 5 10 15
Thr Thr Arg Leu Leu Val Gln Gly Ser Leu Arg Ala Glu Glu Leu
20 25 30
Ser Ile Gln Val Ser Cys Arg Ile Met Gly Ile Thr Leu Val Ser
35 40 45
Lys Lys Ala Asn Gln Gln Leu Asn Phe Thr Glu Ala Lys Glu Ala
50 55 60
Cys Arg Leu Leu Gly Leu Ser Leu Ala Gly Lys Asp Gln Val Glu
65 70 75
Thr Ala Leu Lys Ala Ser Phe Glu Thr Cys Ser Tyr Gly Trp Val
80 85 90
Gly Asp Gly Phe Val Val Ile Ser Arg Ile Ser Pro Asn Pro Lys
95 100 105
Cys Gly Lys Asn Gly Val Gly Val Leu Ile Trp Lys Val Pro Val

	110		115		120
Ser Arg Gln Phe	Ala Ala Tyr Cys Tyr	Asn Ser Ser Asp Thr	Trp		
	125		130		135
Thr Asn Ser Cys	Ile Pro Glu Ile Ile	Thr Thr Lys Asp Pro	Ile		
	140		145		150
Phe Asn Thr Gln	Thr Ala Thr Gln Thr	Thr Glu Phe Ile Val	Ser		
	155		160		165
Asp Ser Thr Tyr	Ser Val Ala Ser Pro	Tyr Ser Thr Ile Pro	Ala		
	170		175		180
Pro Thr Thr Thr	Pro Pro Ala Pro Ala	Ser Thr Ser Ile Pro	Arg		
	185		190		195
Arg Lys Lys Leu	Ile Cys Val Thr Glu	Val Phe Met Glu Thr	Ser		
	200		205		210
Thr Met Ser Thr	Glu Thr Glu Pro Phe	Val Glu Asn Lys Ala	Ala		
	215		220		225
Phe Lys Asn Glu	Ala Ala Gly Phe Gly	Gly Val Pro Thr Ala	Leu		
	230		235		240
Leu Val Leu Ala	Leu Leu Phe Phe Gly	Ala Ala Ala Gly Leu	Gly		
	245		250		255
Phe Cys Tyr Val	Lys Arg Tyr Val Lys	Ala Phe Pro Phe Thr	Asn		
	260		265		270
Lys Asn Gln Gln	Lys Glu Met Ile Glu	Thr Lys Val Val Lys	Glu		
	275		280		285
Glu Lys Ala Asn	Asp Ser Asn Pro Asn	Glu Glu Ser Lys Lys	Thr		
	290		295		300
Asp Lys Asn Pro	Glu Glu Ser Lys Ser	Pro Ser Lys Thr Thr	Val		
	305		310		315
Arg Cys Leu Glu	Ala Glu Val				
	320				

<210> 65
 <211> 104
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3120415

<400> 65	
Met Lys Leu Ala Ala	Leu Leu Gly Leu Cys Val Ala Leu Ser Cys
1 5	10 15
Ser Ser Ala Ala Ala	Phe Leu Val Gly Ser Ala Lys Pro Val Ala
20	25 30
Gln Pro Val Ala Ala	Leu Glu Ser Ala Ala Glu Ala Gly Ala Gly
35	40 45
Thr Leu Ala Asn Pro	Leu Gly Thr Leu Asn Pro Leu Lys Leu Leu
50	55 60
Leu Ser Ser Leu Gly	Ile Pro Val Asn His Leu Ile Glu Gly Ser
65	70 75
Gln Lys Cys Val Ala	Glu Leu Gly Pro Gln Ala Val Gly Ala Val
80	85 90
Lys Ala Leu Lys Ala	Leu Leu Gly Ala Leu Thr Val Phe Gly
95	100

<210> 66
 <211> 93
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 126758

<400> 66
 Met Lys Leu Val Thr Ile Phe Leu Leu Val Thr Ile Ser Leu Cys
 1 5 10 15
 Ser Tyr Ser Ala Thr Ala Phe Leu Ile Asn Lys Val Pro Leu Pro
 20 25 30
 Val Asp Lys Leu Ala Pro Leu Pro Leu Asp Asn Ile Leu Pro Phe
 35 40 45
 Met Asp Pro Leu Lys Leu Leu Leu Lys Thr Leu Gly Ile Ser Val
 50 55 60
 Glu His Leu Val Glu Gly Leu Arg Lys Cys Val Asn Glu Leu Gly
 65 70 75
 Pro Glu Ala Ser Glu Ala Val Lys Lys Leu Leu Glu Ala Leu Ser
 80 85 90
 His Leu Val

<210> 67
 <211> 71
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 674760

<400> 67
 Met Thr Ala Gly Gln Phe Pro Ala Leu Val Ser Leu Ala Leu Leu
 1 5 10 15
 Leu Asp Gly Gly Arg Arg Ala Ser Ala Arg Arg Asn Arg Gly His
 20 25 30
 Leu Trp Val Phe Cys Thr Ser Phe Leu Leu Ala Pro Trp Glu Val
 35 40 45
 Glu Asp Val Gly Trp Lys Lys Gly Leu Asp Leu Pro Pro Ser Ser
 50 55 60
 Ser Pro Pro Ser Pro Lys Glu Leu Ala Leu Gln
 65 70

<210> 68
 <211> 394
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1229438

<400> 68
 Met Lys Arg Gln Asn Val Arg Thr Leu Ala Leu Ile Val Cys Thr
 1 5 10 15
 Phe Thr Tyr Leu Leu Val Gly Ala Ala Val Phe Asp Ala Leu Glu
 20 25 30
 Ser Glu Pro Glu Leu Ile Glu Arg Gln Arg Leu Glu Leu Arg Gln
 35 40 45
 Gln Glu Leu Arg Ala Arg Tyr Asn Leu Ser Gln Gly Gly Tyr Glu
 50 55 60
 Glu Leu Glu Arg Val Val Leu Arg Leu Lys Pro His Lys Ala Gly

				65					70					75
Val	Gln	Trp	Arg	Phe	Ala	Gly	Ser	Phe	Tyr	Phe	Ala	Ile	Thr	Val
				80					85					90
Ile	Thr	Thr	Ile	Gly	Tyr	Gly	His	Ala	Ala	Pro	Ser	Thr	Asp	Gly
				95					100					105
Gly	Lys	Val	Phe	Cys	Met	Phe	Tyr	Ala	Leu	Leu	Gly	Ile	Pro	Leu
				110					115					120
Thr	Leu	Val	Met	Phe	Gln	Ser	Leu	Gly	Glu	Arg	Ile	Asn	Thr	Leu
				125					130					135
Val	Arg	Tyr	Leu	Leu	His	Arg	Ala	Lys	Lys	Gly	Leu	Gly	Met	Arg
				140					145					150
Arg	Ala	Asp	Val	Ser	Met	Ala	Asn	Met	Val	Leu	Ile	Gly	Phe	Phe
				155					160					165
Ser	Cys	Ile	Ser	Thr	Leu	Cys	Ile	Gly	Ala	Ala	Ala	Phe	Ser	His
				170					175					180
Tyr	Glu	His	Trp	Thr	Phe	Phe	Gln	Ala	Tyr	Tyr	Tyr	Cys	Phe	Ile
				185					190					195
Thr	Leu	Thr	Thr	Ile	Gly	Phe	Gly	Asp	Tyr	Val	Ala	Leu	Gln	Lys
				200					205					210
Asp	Gln	Ala	Leu	Gln	Thr	Gln	Pro	Gln	Tyr	Val	Ala	Phe	Ser	Phe
				215					220					225
Val	Tyr	Ile	Leu	Thr	Gly	Leu	Thr	Val	Ile	Gly	Ala	Phe	Leu	Asn
				230					235					240
Leu	Val	Val	Leu	Arg	Phe	Met	Thr	Met	Asn	Ala	Glu	Asp	Glu	Lys
				245					250					255
Arg	Asp	Ala	Glu	His	Arg	Ala	Leu	Leu	Thr	Arg	Asn	Gly	Gln	Ala
				260					265					270
Gly	Gly	Gly	Gly	Gly	Gly	Gly	Ser	Ala	His	Thr	Thr	Asp	Thr	Ala
				275					280					285
Ser	Ser	Thr	Ala	Ala	Ala	Gly	Gly	Gly	Gly	Phe	Arg	Asn	Val	Tyr
				290					295					300
Ala	Glu	Val	Leu	His	Phe	Gln	Ser	Met	Cys	Ser	Cys	Leu	Trp	Tyr
				305					310					315
Lys	Ser	Arg	Glu	Lys	Leu	Gln	Tyr	Ser	Ile	Pro	Met	Ile	Ile	Pro
				320					325					330
Arg	Asp	Leu	Ser	Thr	Ser	Asp	Thr	Cys	Val	Glu	Gln	Ser	His	Ser
				335					340					345
Ser	Pro	Gly	Gly	Gly	Gly	Arg	Tyr	Ser	Asp	Thr	Pro	Ser	Arg	Arg
				350					355					360
Cys	Leu	Cys	Ser	Gly	Ala	Pro	Arg	Ser	Ala	Ile	Ser	Ser	Val	Ser
				365					370					375
Thr	Gly	Leu	His	Ser	Leu	Ser	Thr	Phe	Arg	Gly	Leu	Met	Lys	Arg
				380					385					390
Arg	Ser	Ser	Val											

<210> 69
 <211> 72
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236935

<400> 69
 Met Cys Pro Phe Phe Pro Leu Thr Ser Leu Ile Val Phe Leu Ile
 1 5 10 15
 Leu Phe Phe Lys Thr Ile Ala Ser Ser Gly Ser Gly Gly Ser Cys
 20 25 30
 Leu Gly Leu Pro Lys Cys Trp Asp Tyr Arg Arg Glu His Arg Ala
 35 40 45
 Arg Pro Thr Ile Val Phe Ser Lys His Val Tyr Thr Tyr Ser Met

50
55
60
 Arg Met Gln Ile Glu Ile Ser Thr Asn Ile Ser Gln
65
70

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<210> 70
<211> 71
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte Clone No: 1359283
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<400>	70													
Met	Arg	Leu	Thr	Gly	Leu	Thr	Leu	Leu	Leu	Ser	Leu	Met	Glu	Ser
1				5					10					15
Leu	Gly	Gln	Val	Glu	Asp	Arg	Phe	Phe	Ser	Thr	His	Arg	Arg	Phe
				20					25					30
Pro	His	His	Thr	Pro	Ile	Ser	Gly	Leu	Leu	Cys	Arg	Glu	Phe	Ser
				35					40					45
Leu	Pro	Lys	Arg	Ser	Gly	Val	Pro	Trp	Thr	Arg	Val	Leu	Ile	Ser
				50					55					60
Cys	Ile	Trp	Arg	Ser	Gly	Ala	Gly	Lys	Arg	Met				
				65					70					

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<210> 71
<211> 247
<212> PRT
<213> Homo sapiens
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<220>
<221> misc_feature
<223> Incyte Clone No: 1450703
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<400>	71													
Met	His	Leu	Ala	Arg	Leu	Val	Gly	Ser	Cys	Ser	Leu	Leu	Leu	Leu
1				5					10					15
Leu	Gly	Ala	Leu	Ser	Gly	Trp	Ala	Ala	Ser	Asp	Asp	Pro	Ile	Glu
				20					25					30
Lys	Val	Ile	Glu	Gly	Ile	Asn	Arg	Gly	Leu	Ser	Asn	Ala	Glu	Arg
				35					40					45
Glu	Val	Gly	Lys	Ala	Leu	Asp	Gly	Ile	Asn	Ser	Gly	Ile	Thr	His
				50					55					60
Ala	Gly	Arg	Glu	Val	Glu	Lys	Val	Phe	Asn	Gly	Leu	Ser	Asn	Met
				65					70					75
Gly	Ser	His	Thr	Gly	Lys	Glu	Leu	Asp	Lys	Gly	Val	Gln	Gly	Leu
				80					85					90
Asn	His	Gly	Met	Asp	Lys	Val	Ala	His	Glu	Ile	Asn	His	Gly	Ile
				95					100					105
Gly	Gln	Ala	Gly	Lys	Glu	Ala	Glu	Lys	Leu	Gly	His	Gly	Val	Asn
				110					115					120
Asn	Ala	Ala	Gly	Gln	Ala	Gly	Lys	Glu	Ala	Asp	Lys	Ala	Val	Gln
				125					130					135
Gly	Phe	His	Thr	Gly	Val	His	Gln	Ala	Gly	Lys	Glu	Ala	Glu	Lys
				140					145					150
Leu	Gly	Gln	Gly	Val	Asn	His	Ala	Ala	Asp	Gln	Ala	Gly	Lys	Glu
				155					160					165
Val	Glu	Lys	Leu	Gly	Gln	Gly	Ala	His	His	Ala	Ala	Gly	Gln	Ala
				170					175					180
Gly	Lys	Glu	Leu	Gln	Asn	Ala	His	Asn	Gly	Val	Asn	Gln	Ala	Ser

Lys	Glu	Ala	Asn	Gln	Leu	Leu	Asn	Gly	Asn	His	Gln	Ser	Gly	Ser	185	190	195
Ser	Ser	His	Gln	Gly	Gly	Ala	Thr	Thr	Thr	Pro	Leu	Ala	Ser	Gly	200	205	210
Ala	Ser	Val	Asn	Thr	Pro	Phe	Ile	Asn	Leu	Pro	Ala	Leu	Trp	Arg	215	220	225
Ser	Val	Ala	Asn	Ile	Met	Pro									230	235	240
															245		

<210> 72
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1910668

Met	Thr	Cys	Trp	Met	Leu	Pro	Pro	Ile	Ser	Phe	Leu	Ser	Tyr	Leu	<400> 72
1				5					10					15	
Pro	Leu	Trp	Leu	Gly	Pro	Ile	Trp	Pro	Cys	Ser	Gly	Ser	Thr	Leu	
				20					25					30	
Gly	Lys	Pro	Asp	Pro	Gly	Val	Trp	Pro	Ser	Leu	Phe	Arg	Pro	Trp	
				35					40					45	
Asp	Ala	Ala	Ser	Pro	Gly	Asn	Tyr	Ala	Leu	Ser	Arg	Gly	Glu	Asn	
				50					55					60	
Gln	Tyr	Glu	Lys	Trp	Gly	Gln	Gly	Thr	His	Ser	Ser	Leu			
				65					70						

<210> 73
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1955143

Met	Gly	Arg	Leu	Arg	Tyr	Phe	Phe	Ser	Leu	Leu	Leu	Leu	Arg	Trp	<400> 73
1				5					10					15	
Gly	Gln	Leu	Leu	Gly	Ala	Asp	Glu	Phe	Cys	Cys	His	Lys	Ser	Tyr	
				20					25					30	
Ile	Ala	His	Leu	Val	Cys	Thr	Glu	Ser	Ala	Ile	Leu	Asn	Pro	Gly	
				35					40					45	
His	Ala	Leu	Glu	Leu	Tyr	Lys	Lys	Asn	Leu	Gln	Val	Ser	Ile	Leu	
				50					55					60	
Ser	Pro	Tyr	Pro	Thr	Asp	Pro	Ile	His	Leu						
				65					70						

<210> 74
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1961637

<400> 74
 Met Met Phe Thr Ser Leu Ser Leu Ala Leu Pro Phe Leu Leu Gln
 1 5 10 15
 Thr Met Leu Cys Leu Arg Ala Leu Leu Ile Ala Val Pro His Gly
 20 25 30
 His Asp Trp Asn Arg Asp Ala Thr Ser Phe Tyr Thr Ser Thr Val
 35 40 45
 Ser Trp Val Lys Ser Phe Phe Leu Phe Val Leu Asp Gly Val Ser
 50 55 60
 Leu Leu Leu Pro Arg Leu Glu
 65

<210> 75
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1990762

<400> 75
 Met Trp Pro Thr Thr Trp Ala Trp Ser Trp Val Gln Thr Leu Thr
 1 5 10 15
 Leu Ala Leu Leu Ile Ser Cys Val Thr Leu Gly Gln Leu Ile Thr
 20 25 30
 Thr Leu Gln Val Ser Phe Leu Ile Cys Glu Met Asp Val Ile Ile
 35 40 45
 Gly Cys Asp Glu Met Ile Pro Ser Glu Ser Leu Val Leu Leu Trp
 50 55 60
 Pro Pro Pro Leu Leu Leu Leu Gly Glu Phe Trp Ile Trp Asn Pro
 65 70 75
 Val Ser Arg Ile Leu Phe Trp Leu Cys His Val Pro Ala Gly Gln
 80 85 90
 Leu

<210> 76
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

<400> 76
 Met Asn Glu Trp Trp Leu Leu Leu Leu Leu His Leu His Pro Pro
 1 5 10 15
 Arg Val Ile Ser Pro Phe Trp Phe Ile Val Ser Val Leu Thr Ala
 20 25 30
 Cys Asp Asn Arg Lys Tyr Ile Leu Leu Arg Thr Val Pro Val Phe
 35 40 45
 Ser Phe Pro Glu Asn Thr Tyr Phe Asp Val Gly
 50 55

<210> 77
 <211> 112
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

<400> 77
 Met Pro Leu Phe Leu Ser Ile Pro Ser Leu Phe Leu Thr Leu Ser
 1 5 10 15
 Gly Leu Gly Leu Ala Val Gln Ser Pro Ala Gly Gly Cys Trp Gly
 20 25 30
 Leu Ser Leu Cys Arg His Cys Val Phe Leu Arg Gly Cys Pro Gln
 35 40 45
 Asn Thr Pro Pro Ala Pro Trp Gly Ser Ser Gly Ser His Phe Ser
 50 55 60
 Trp Ser Leu Arg Ser Gln Lys Gln Leu Leu Gln Glu Ala Lys Lys
 65 70 75
 Arg Leu Gly Trp Leu Leu Val Leu Met Met Ala Phe Ile Leu Leu
 80 85 90
 Gly His Phe Gly Tyr Ile His Gly His Cys Phe His Leu Ser Phe
 95 100 105
 Leu Pro Val Pro Pro Leu Pro
 110

<210> 78
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009035

<400> 78
 Met Met Leu Gln Pro Val Asp Leu Leu Gln Ser Tyr Leu Leu Leu
 1 5 10 15
 Leu Tyr Cys Trp Ser Phe Ser Leu Leu Phe Thr Leu Leu Cys Asn
 20 25 30
 Ala Val Arg Asn Asp Phe Phe His Lys Leu Phe Ser Ile Tyr Trp
 35 40 45
 Met Tyr Asn Leu Thr His Ser Lys His
 50

<210> 79
 <211> 57
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009152

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<400> 79
Met Lys Phe Tyr Ala Val Leu Leu Ser Ile Cys Leu Leu Leu Ser
 1          5          10          15
Cys Trp Cys Ala Cys His Val Arg Asp Cys Asn Leu Ile Cys Leu
          20          25          30
Phe Ser Thr Val Lys Ala Ile Thr Arg Glu Leu Leu Gln Leu Pro
          35          40          45
Ser Tyr Val Lys Arg Phe Phe Phe Asn Ser Leu Arg
          50          55

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<210> 80
<211> 52
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2061752

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<400> 80
Met Gln Arg Leu Gly Lys Ala Pro Gly Thr Trp Gln Ala Ile Ser
 1          5          10          15
Lys Cys Trp Leu Leu Leu Leu Ser Leu Pro Phe Ser Gln Ser
          20          25          30
Ile Ile Ile Ser Leu Arg Ala Gly Thr Met Ser Tyr Leu Pro Leu
          35          40          45
Tyr Phe Pro Gln Tyr Phe Pro
          50

```

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<210> 81
<211> 64
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2061933

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<400> 81
Met Lys Leu Leu Leu Leu Lys Leu Asp Phe Phe Ile Leu Leu Gly
 1          5          10          15
Ser Glu Glu Ser Arg Cys Leu Val Asp Val Gln Tyr Val Ile Phe
          20          25          30
Phe Leu Ile Glu Cys Val His Leu Lys Ser Ser Leu Thr Phe Leu
          35          40          45
Glu Arg Leu Leu Ser Ile Asn Asn Gly Ile Leu Glu Glu Lys Trp
          50          55          60
Phe Phe Lys Ser

```

```

<210> 82
<211> 65
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2081422

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<400> 82

Met	Lys	Pro	Leu	Ile	Pro	Phe	Leu	Ser	Pro	Pro	Pro	Leu	Leu	Pro
1				5					10					15
Leu	Thr	Phe	Phe	Leu	Ser	Ser	Leu	Leu	Leu	Ser	Pro	Leu	Cys	Arg
				20					25					30
Ala	Leu	Gly	Thr	Ser	Gln	Ala	Val	Pro	Pro	Leu	Arg	Ala	Leu	Ser
				35					40					45
Val	Thr	Asp	Ala	His	Gly	Ser	Leu	Leu	Leu	His	Pro	Lys	Thr	Leu
				50					55					60
Ala	Cys	Pro	Cys	Leu										
				65										

<210> 83

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 83

Met	Arg	Ala	Asp	Arg	Leu	Leu	Pro	Ile	Ser	Ala	Leu	Cys	Leu	Leu
1				5					10					15
Tyr	Thr	Pro	Gly	Gly	Ala	Leu	Glu	Pro	Ala	Gln	Val	Gly	Tyr	Thr
				20					25					30
Ile	Phe	Leu	Asn	Ser	Ile	Trp	Leu	Pro	Ala	Tyr	Phe	Phe	His	Leu
				35					40					45
Phe	Thr	Val	Ile	Ser	Gly	Val	Phe	Leu	Phe	Ile				
				50					55					

<210> 84

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 84

Met	Pro	Ala	Leu	Pro	Pro	Gly	Phe	Ser	Gln	Ala	Gly	Ser	Cys	Val
1				5					10					15
Pro	Thr	Gly	Ser	Ser	Leu	Val	Leu	Cys	Leu	Leu	Ala	Ala	Ser	Leu
				20					25					30
Leu	Leu	Phe	Val	Pro	Thr	Leu	Ala	Leu	Leu	Thr	Gly	Ala	Thr	Thr
				35					40					45
Cys	Trp	Cys	Leu	His	Asn	Lys	Arg	Leu	Ala	Leu	Arg	Pro	Leu	Ala
				50					55					60
Trp	Gln	Gly	Leu	Trp	Gly	Leu	Val	Ser	Thr	Arg	Leu	Ser	His	Gly
				65					70					75
Arg	Thr	Ser	Phe	Tyr	Phe	Asn	Ser	Leu	Pro	Leu	Gln	Thr	Asn	Ser
				80					85					90
Ser	Thr	Cys	Gln	Asn	His	Ser	Trp	Asp	Ser	Gly	Ala	Arg	Ala	Thr
				95					100					105
Ala	Leu	Ala	Ser	Gly	Arg	Thr	Gln	Glu	Gly	Gly	Val	Gly	Ser	Val
				110					115					120

<210> 85
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2241736

<400> 85
 Met Asn Ser Leu Val Leu Phe Leu Gly His Leu Gly Leu Leu Ile
 1 5 10 15
 Lys Asp Cys Val Leu Leu Phe Ala Met Ser Lys Val Ser Gln Lys
 20 25 30
 Gln Lys Val Leu Gly Pro Phe Gly Ser Pro Glu Leu Glu Ser Leu
 35 40 45
 Gly Ile Gly Pro Arg Tyr Leu His Phe His Arg Phe Leu Val Gly
 50 55 60
 Asp Phe Leu Gln Ala Lys Val
 65

<210> 86
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

<400> 86
 Met Ala Trp Leu Ser Phe Ala Ala Val Glu Met Thr Leu Leu Leu
 1 5 10 15
 His Ser Ser Ser Leu Leu Ser Phe Ala Lys Val Val Leu Ser Leu
 20 25 30
 Pro Glu Ile Arg Pro Phe Gly Asp Gly Asn Phe Ser Leu Lys Gln
 35 40 45
 Ser Ser Lys Gln Asn Pro Asn Pro Ala Arg Val Gly Arg Lys Ser
 50 55 60
 Met Phe

<210> 87
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2295344

<400> 87
 Met Met Ile Leu Leu Ser Leu Leu Val Ala Leu Ile Ser Val Ser
 1 5 10 15
 Leu Val Phe Leu Gly Leu Val Arg Phe Ser Arg Glu Asp Phe Ser
 20 25 30
 Phe Pro Leu Trp Arg Glu Lys Ala Phe Tyr Gln His Ser Ser Ser

				35					40						45
Ser	Val	Gly	Glu	Arg	Leu	Gln	Ala	Leu	Arg	Lys	His	Ala	Phe	Thr	
				50					55						60
Leu	Phe	Gly	Thr	Ile	Pro	Leu	Leu	Val	Thr	Val	Pro	Gln	Val	Pro	
				65					70						75

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<210> 88
<211> 80
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte Clone No: 2303994
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[illegible]

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<210> 89
<211> 50
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte Clone No: 2497805
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[illegible]

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<210> 90
<211> 116
<212> PRT
<213> Homo sapiens
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<220>  
<221> misc_feature  
<223> Incyte Clone No: 2646362  
<400> 90
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Met	Trp	Trp	Ala	Leu	Cys	Ser	Met	Leu	Pro	Leu	Leu	Gly	Cys	Ala	
1				5					10					15	
Cys	Ser	Ser	Gly	Cys	Trp	Gly	Ser	Gly	Pro	Thr	Pro	Leu	Leu	Ala	
				20					25					30	
Glu	Pro	Thr	Phe	Leu	Cys	Val	Ser	Ser	Arg	Pro	His	Asn	Pro	Leu	
				35					40					45	
Ser	Phe	Leu	Ser	Val	Leu	Pro	Cys	Ser	Arg	Gly	Pro	Gly	Pro	Ser	
				50					55					60	
Gly	Leu	Gln	Gly	Asp	Gly	Ala	Gly	Leu	Pro	Ala	His	Leu	Gly	Pro	
				65					70					75	
Leu	Ser	Cys	Ile	Cys	Leu	Pro	Ser	Leu	Leu	Cys	Asp	Leu	Gly	Glu	
				80					85					90	
Arg	Gln	Cys	Pro	Leu	Trp	Ala	Val	Arg	Ser	Thr	Gln	Cys	Leu	Ile	
				95					100					105	
Ala	Gly	Lys	Lys	Val	Leu	Gln	Arg	Leu	Cys	Pro					
				110					115						

<210> 91
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2657146

Met	Ile	Cys	Gln	Cys	Leu	Arg	Leu	Leu	Leu	Val	Leu	Val	Thr	Leu	
1				5					10					15	
Leu	Ile	Cys	Phe	Ser	Pro	Asp	Arg	Leu	Thr	Cys	Pro	Leu	Asn	Ser	
				20					25					30	
Ala	Val	Val	Leu	Ala	Ser	Tyr	Ala	Val	Gln	Cys	Lys	Ser	Gln	Arg	
				35					40					45	
Glu	His	Phe	Thr	Asp	Gly	Gln	Val	Val	Leu	Ile	Ser	Val	Trp	Arg	
				50					55					60	
Lys	Ser	Leu	Val	Pro	Pro	Ala									
				65											

<210> 92
 <211> 538
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2755786

Met	Ala	Gly	Ala	Arg	Ala	Ala	Ala	Ala	Ala	Ser	Ala	Gly	Ser		
1				5					10				15		
Ser	Ala	Ser	Ser	Gly	Asn	Gln	Pro	Pro	Gln	Glu	Leu	Gly	Leu	Gly	
				20					25					30	
Glu	Leu	Leu	Glu	Glu	Phe	Ser	Arg	Thr	Gln	Tyr	Arg	Ala	Lys	Asp	
				35					40					45	
Gly	Ser	Gly	Thr	Gly	Gly	Ser	Lys	Val	Glu	Arg	Ile	Glu	Lys	Arg	
				50					55					60	
Cys	Leu	Glu	Leu	Phe	Gly	Arg	Asp	Tyr	Cys	Phe	Ser	Val	Ile	Pro	
				65					70					75	
Asn	Thr	Asn	Gly	Asp	Ile	Cys	Gly	His	Tyr	Pro	Arg	His	Ile	Val	

Phe Leu Glu Tyr	80	Glu Ser Ser Glu Lys	85	Glu Lys Asp Thr Phe	90
Ser Thr Val Gln	95	Val Ser Lys Leu Gln	100	Leu Ile His Arg	105
Lys Met Ala Arg	110	Cys Arg Gly Arg Phe	115	Val Cys Pro Val Ile	120
Phe Lys Gly Lys	125	His Ile Cys Arg Ser	130	Ala Thr Leu Ala Gly	135
Gly Glu Leu Tyr	140	Gly Arg Ser Gly Tyr	145	Asn Tyr Phe Phe Ser	150
Gly Ala Asp Asp	155	Ala Trp Ala Asp Val	160	Glu Asp Val Thr Glu	165
Asp Cys Ala Leu	170	Arg Ser Gly Asp Thr	175	His Leu Phe Asp Lys	180
Arg Gly Tyr Asp	185	Ile Lys Leu Leu Arg	190	Tyr Leu Ser Val Lys	195
Ile Cys Asp Leu	200	Met Val Glu Asn Lys	205	Lys Val Lys Phe Gly	210
Asn Val Thr Ser	215	Ser Glu Lys Val Asp	220	Lys Ala Gln Arg Tyr	225
Asp Phe Thr Leu	230	Leu Ser Ile Pro Tyr	235	Pro Gly Cys Glu Phe	240
Lys Glu Tyr Lys	245	Asp Arg Asp Tyr Met	250	Ala Glu Gly Leu Ile	255
Asn Trp Lys Gln	260	Tyr Val Asp Ala	265	Pro Leu Ser Ile Pro	270
Phe Leu Thr His	275	Ser Leu Asn Ile Asp	280	Trp Ser Gln Tyr Gln	285
Trp Asp Leu Val	290	Gln Gln Thr Gln Asn	295	Tyr Leu Lys Leu Leu	300
Ser Leu Val Asn	305	Ser Asp Asp Asp Ser	310	Gly Leu Leu Val His	315
Ile Ser Gly Trp	320	Asp Arg Thr Pro Leu	325	Phe Ile Ser Leu Leu	330
Leu Ser Leu Trp	335	Ala Asp Gly Leu Ile	340	His Thr Ser Leu Lys	345
Thr Glu Ile Leu	350	Tyr Leu Thr Val Ala	355	Thr Ser Leu Lys	360
Gly His Met Leu	365	Val Asp Arg Leu Ser	370	Lys Gly Glu Glu Ile	375
Phe Phe Cys Phe	380	Asn Phe Leu Lys His	385	Ile Thr Ser Glu Glu	390
Ser Ala Leu Lys	395	Thr Gln Arg Arg Lys	400	Ser Leu Pro Ala Arg	405
Gly Gly Phe Thr	410	Leu Glu Asp Ile Cys	415	Met Leu Arg Arg Lys	420
Arg Gly Ser Thr	425	Thr Ser Leu Gly Ser	430	Asp Phe Ser Leu Val	435
Glu Ser Ser Pro	440	Gly Ala Thr Gly Ser	445	Phe Thr Tyr Glu Ala	450
Glu Leu Val Pro	455	Ala Gly Ala Pro Thr	460	Gln Ala Ala Trp Leu	465
Ala Leu Ser Asp	470	Arg Glu Thr Arg Leu	475	Gln Glu Val Arg Ser	480
Phe Leu Ala Ala	485	Tyr Ser Ser Thr Val	490	Gly Leu Arg Ala Val	495
Pro Ser Pro Ser	500	Gly Ala Ile Gly Gly	505	Leu Leu Glu Gln Phe	510
Arg Gly Val Gly	515	Leu Arg Ser Ile Ser	520	Ser Asn Ala Leu	525
	530		535		

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<210> 93
<211> 58
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2831245

<400> 93
Met Glu Met Lys Gly Ser Arg Val Trp Leu Leu Leu Leu Phe Met
1 5 10 15
Trp Lys Ala Arg Pro Thr Phe Phe Gln Ser Cys Val Val Pro Phe
20 25 30
Ile Leu Ser Pro Gln Asn Cys Val Gln Thr His Ser Leu Gly Pro
35 40 45
Gly Val Trp Leu Gly Val Phe Pro Ser Gly Ser Leu His
50 55

<210> 94
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3116250

<400> 94
Met Lys Val Leu Ile Ser Ser Leu Leu Leu Leu Leu Pro Leu Met
1 5 10 15
Leu Met Ser Met Val Ser Ser Ser Leu Asn Pro Gly Val Ala Arg
20 25 30
Gly His Arg Asp Arg Gly Gln Ala Ser Arg Arg Trp Leu Gln Glu
35 40 45
Gly Gly Gln Glu Cys Glu Cys Lys Asp Trp Phe Leu Arg Ala Pro
50 55 60
Arg Arg Lys Phe Met Thr Val Ser Gly Leu Pro Lys Lys Gln Cys
65 70 75
Pro Cys Asp His Phe Lys Gly Asn Val Lys Lys Thr Arg His Gln
80 85 90
Arg His His Arg Lys Pro Asn Lys His Ser Arg Ala Cys Gln Gln
95 100 105
Phe Leu Lys Gln Cys Gln Leu Arg Ser Phe Ala Leu Pro Leu
110 115

<210> 95
<211> 128
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3129630

<400> 95
Met Ala Tyr Ser Thr Val Gln Arg Val Ala Leu Ala Ser Gly Leu
1 5 10 15
Val Leu Ala Leu Ser Leu Leu Leu Pro Lys Ala Phe Leu Ser Arg

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	20		25		30										
Gly	Lys	Arg	Gln	Glu	Pro	Pro	Pro	Thr	Pro	Glu	Gly	Lys	Leu	Gly	
	35													45	
Arg	Phe	Pro	Pro	Met	Met	His	His	His	His	Gln	Ala	Pro	Ser	Asp	Gly
	50														60
Gln	Thr	Pro	Gly	Ala	Arg	Phe	Gln	Arg	Ser	His	Leu	Ala	Glu	Ala	
	65														75
Phe	Ala	Lys	Ala	Lys	Gly	Ser	Gly	Gly	Gly	Ala	Gly	Gly	Gly	Gly	Gly
	80														90
Ser	Gly	Arg	Gly	Leu	Met	Gly	Gln	Ile	Ile	Pro	Ile	Tyr	Gly	Phe	
	95														105
Gly	Ile	Phe	Leu	Tyr	Ile	Leu	Tyr	Ile	Leu	Phe	Lys	Val	Ser	Arg	
	110														120
Ile	Ile	Leu	Ile	Ile	Leu	His	Gln								
	125														

<210> 96
 <211> 124
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

<400>	96														
Met	Tyr	Lys	Leu	Ala	Ser	Cys	Cys	Leu	Leu	Phe	Ile	Gly	Phe	Leu	
1				5					10					15	
Asn	Pro	Leu	Leu	Ser	Leu	Pro	Leu	Leu	Asp	Ser	Arg	Glu	Ile	Ser	
				20					25					30	
Phe	Gln	Leu	Ser	Ala	Pro	His	Glu	Asp	Ala	Arg	Leu	Thr	Pro	Glu	
				35					40					45	
Glu	Leu	Glu	Arg	Ala	Ser	Leu	Leu	Gln	Ile	Leu	Pro	Glu	Met	Leu	
				50					55					60	
Gly	Ala	Glu	Arg	Gly	Asp	Ile	Leu	Arg	Lys	Ala	Asp	Ser	Ser	Thr	
				65					70					75	
Asn	Ile	Phe	Asn	Pro	Arg	Gly	Asn	Leu	Arg	Lys	Phe	Gln	Asp	Phe	
				80					85					90	
Ser	Gly	Gln	Asp	Pro	Asn	Ile	Leu	Leu	Ser	His	Leu	Leu	Ala	Arg	
				95					100					105	
Ile	Trp	Lys	Pro	Tyr	Lys	Lys	Arg	Glu	Thr	Pro	Asp	Cys	Phe	Trp	
				110					115					120	
Lys	Tyr	Cys	Val												

<210> 97
 <211> 182
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

<400>	97														
Met	Trp	Pro	Leu	Ser	Ser	Asp	Ser	Ser	Trp	Ser	Leu	Trp	Ile	Ser	
1				5					10					15	
Thr	Gly	Met	Ala	Pro	Ala	Pro	Ser	Ser	Ser	Thr	Arg	Ser	Phe	Ser	
				20					25					30	
Glu	Ser	Leu	Lys	Gln	Lys	Leu	Val	Arg	Val	Leu	Glu	Glu	Asn	Leu	

Ile	Leu	Ser	Glu	Lys	Ile	Gln	Gln	Leu	Glu	Glu	Gly	Ala	Ala	Ile
				35					40					45
Ser	Ile	Val	Ser	Gly	Gln	Gln	Ser	His	Thr	Tyr	Asp	Asp	Leu	Leu
				50					55					60
His	Lys	Asn	Gln	Gln	Leu	Thr	Met	Gln	Val	Ala	Cys	Leu	Asn	Gln
				65					70					75
Glu	Leu	Ala	Gln	Leu	Lys	Lys	Leu	Glu	Lys	Thr	Val	Ala	Ile	Leu
				80					85					90
His	Glu	Ser	Gln	Arg	Ser	Leu	Val	Val	Thr	Asn	Glu	Tyr	Leu	Leu
				95					100					105
Gln	Gln	Leu	Asn	Lys	Glu	Pro	Lys	Gly	Tyr	Ser	Gly	Lys	Ala	Leu
				110					115					120
Leu	Pro	Pro	Glu	Lys	Gly	His	His	Leu	Gly	Arg	Ser	Ser	Pro	Phe
				125					130					135
Gly	Lys	Ser	Thr	Leu	Ser	Ser	Ser	Ser	Pro	Val	Ala	His	Glu	Thr
				140					145					150
Gly	Gln	Tyr	Leu	Ile	Gln	Ser	Val	Leu	Asp	Ala	Ala	Pro	Glu	Pro
				155					160					165
				170					175					180
Gly	Leu													

<210> 98
 <211> 237
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

Met	Lys	Gly	Ile	Leu	Val	Ala	Gly	Ile	Thr	Ala	Val	Leu	Val	Ala
1				5					10					15
Ala	Val	Glu	Ser	Leu	Ser	Cys	Val	Pro	Cys	Asn	Ser	Trp	Glu	Lys
				20					25					30
Ser	Cys	Val	Asn	Ser	Ile	Ala	Ser	Glu	Cys	Pro	Ser	His	Ala	Asn
				35					40					45
Thr	Ser	Cys	Ile	Ser	Ser	Ser	Ala	Ser	Ser	Ser	Leu	Glu	Thr	Pro
				50					55					60
Val	Arg	Leu	Tyr	Gln	Asn	Met	Phe	Cys	Ser	Ala	Glu	Asn	Cys	Ser
				65					70					75
Glu	Glu	Thr	His	Ile	Thr	Ala	Phe	Thr	Val	His	Val	Ser	Ala	Glu
				80					85					90
Glu	His	Phe	His	Phe	Val	Ser	Gln	Cys	Cys	Gln	Gly	Lys	Glu	Cys
				95					100					105
Ser	Asn	Thr	Ser	Asp	Ala	Leu	Asp	Pro	Pro	Leu	Lys	Asn	Val	Ser
				110					115					120
Ser	Asn	Ala	Glu	Cys	Pro	Ala	Cys	Tyr	Glu	Ser	Asn	Gly	Thr	Ser
				125					130					135
Cys	Arg	Gly	Lys	Pro	Trp	Lys	Cys	Tyr	Glu	Glu	Glu	Gln	Cys	Val
				140					145					150
Phe	Leu	Val	Ala	Glu	Leu	Lys	Asn	Asp	Ile	Glu	Ser	Lys	Ser	Leu
				155					160					165
Val	Leu	Lys	Gly	Cys	Ser	Asn	Val	Ser	Asn	Ala	Thr	Cys	Gln	Phe
				170					175					180
Leu	Ser	Gly	Glu	Asn	Lys	Thr	Leu	Gly	Gly	Val	Ile	Phe	Arg	Lys
				185					190					195
Phe	Glu	Cys	Ala	Asn	Val	Asn	Ser	Leu	Thr	Pro	Thr	Ser	Ala	Pro
				200					205					210
Thr	Thr	Ser	His	Asn	Val	Gly	Ser	Lys	Ala	Ser	Leu	Tyr	Leu	Leu
				215					220					225
Ala	Leu	Ala	Ser	Leu	Leu	Leu	Arg	Gly	Leu	Leu	Pro			

230

235

<210> 99
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1396975

<400> 99
 Met Arg Pro Gly Pro Met Leu Gln Ala Arg Val Ser Ile Pro Ala
 1 5 10 15
 Ala Leu Gly Thr Leu Phe Pro Arg Pro Gly Trp Ala Pro Gly Glu
 20 25 30
 Val Ser Ser Glu Ile Ser Ser Arg Asp Leu Leu Asn Pro His Pro
 35 40 45
 Ser Thr Pro Ser Cys Cys Ser Gln Ser Trp Ser Pro Met Ser Val
 50 55 60
 Leu Glu Pro Asp Ser Arg Gly Pro Pro Pro Ile Ser Leu Thr His
 65 70 75
 Thr Gly Ile His Thr Pro Gln Lys Thr Ser Gln Met Arg Pro Asp
 80 85 90
 Ser Gly Ser Arg Gly Met Cys Phe Cys Pro Cys Lys Gly Phe Gly
 95 100 105
 Glu Gly Gly Asn Ile Val Glu Ala Gly Lys Ser Pro Gln Thr Cys
 110 115 120
 Ala His Ala Pro Pro Ala Leu Arg Phe His Ser Ala Phe Ser Glu
 125 130 135
 Cys Pro Cys Cys Thr Gln Thr Thr Gly Gln Glu Arg Pro Ser Leu
 140 145 150
 Pro Leu Gln Pro Leu Ser Leu Pro Phe Asn
 155 160

<210> 100
 <211> 148
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1501749

<400> 100
 Met Ala Ala Ser Pro Ala Arg Pro Ala Val Leu Ala Leu Thr Gly
 1 5 10 15
 Leu Ala Leu Leu Leu Leu Leu Cys Trp Gly Pro Gly Gly Ile Ser
 20 25 30
 Gly Asn Lys Leu Lys Leu Met Leu Gln Lys Arg Glu Ala Pro Val
 35 40 45
 Pro Thr Lys Thr Lys Val Ala Val Asp Glu Asn Lys Ala Lys Glu
 50 55 60
 Phe Leu Gly Ser Leu Lys Arg Gln Lys Arg Gln Leu Trp Asp Arg
 65 70 75
 Thr Arg Pro Glu Val Gln Gln Trp Tyr Gln Gln Phe Leu Tyr Met
 80 85 90
 Gly Phe Asp Glu Ala Lys Phe Glu Asp Asp Ile Thr Tyr Trp Leu
 95 100 105

PF-0541 PCT

Asn	Arg	Asp	Arg	Asn	Gly	His	Glu	Tyr	Tyr	Gly	Asp	Tyr	Tyr	Gln
				110					115					120
Arg	His	Tyr	Asp	Glu	Asp	Ser	Ala	Ile	Gly	Pro	Arg	Ser	Pro	Tyr
				125					130					135
Gly	Phe	Arg	His	Gly	Ala	Ser	Val	Asn	Tyr	Asp	Asp	Tyr		
				140					145					

<210> 101
<211> 170
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1575240

<400>	101													
Met	Thr	Pro	Thr	Lys	Arg	Glu	Pro	Pro	Ala	Ala	Pro	Leu	Leu	Leu
1				5					10					15
Arg	Val	Leu	Pro	Gln	Leu	Ser	Ala	Met	Ser	Leu	Arg	Leu	Ser	Thr
				20					25					30
Arg	Arg	Glu	Asp	Met	Ile	Gly	Gln	Thr	Ser	Gly	Met	Cys	Ser	Phe
				35					40					45
Cys	Ser	Phe	Gln	Asn	Met	Arg	Gly	Glu	Ser	Ile	Trp	Leu	Leu	Cys
				50					55					60
Leu	Glu	Glu	Glu	Gly	Ala	Gly	Leu	Cys	Gln	Asn	Ser	Leu	Asp	Lys
				65					70					75
Arg	Phe	Ser	Gln	Lys	Glu	Gly	Cys	Ser	Asp	Asp	Lys	Ser	Pro	Leu
				80					85					90
His	His	Phe	Pro	Trp	Leu	Ser	Asp	Ala	Pro	Pro	Ser	Ser	His	Ala
				95					100					105
Arg	Thr	Ser	Glu	Ile	Arg	Leu	Pro	Pro	Asp	Ile	Thr	Gln	Pro	Cys
				110					115					120
Leu	Thr	Lys	Arg	Gln	Trp	Phe	Ile	Pro	Ser	Leu	Gly	Glu	Lys	Arg
				125					130					135
Gly	Asn	Ala	Lys	Leu	Leu	His	Gln	Leu	Leu	Ile	Leu	Leu	Pro	Ala
				140					145					150
Arg	Asn	Pro	Gly	Tyr	Leu	Gln	Val	Ser	Leu	Pro	Leu	Val	Trp	Ser
				155					160					165
Trp	Leu	Ser	Leu	Phe										
				170										

<210> 102
<211> 150
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1647884

<400>	102													
Met	Gly	Ala	Ala	Ala	Trp	Ala	Arg	Pro	Leu	Ser	Val	Ser	Phe	Leu
1				5					10					15
Leu	Leu	Leu	Leu	Pro	Leu	Pro	Gly	Met	Pro	Ala	Gly	Ser	Trp	Asp
				20					25					30
Pro	Ala	Gly	Tyr	Leu	Leu	Tyr	Cys	Pro	Cys	Met	Gly	Lys	Ala	Ser
				35					40					45
Gln	Ala	Leu	Cys	Ser	Asp	Gly	Glu	Thr	Glu	Ala	Gly	Arg	Gly	Lys
				50					55					60

Ala	Thr	Pro	Gln	Met	Arg	Pro	Glu	Thr	Pro	Ser	Gln	Val	Gln	Glu
				65					70					75
Arg	Thr	Ser	Glu	Arg	Asp	Gly	Ala	Cys	Ser	Ser	Pro	Leu	Cys	Leu
				80					85					90
Ser	Cys	Lys	Gly	Thr	Glu	Gly	Pro	Thr	Cys	Pro	Thr	Phe	His	Leu
				95					100					105
Thr	Asp	Glu	Lys	Thr	Glu	Ala	Gly	Arg	Gly	Tyr	Val	Thr	Cys	Leu
				110					115					120
Arg	Ser	Lys	Pro	Val	Gln	Gly	Pro	Val	Asn	Gly	Val	Ser	Gly	Ala
				125					130					135
Gly	Leu	Asp	Val	Thr	Asp	Pro	Arg	Trp	Leu	Leu	Val	Ile	Phe	His
				140					145					150

<210> 103
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1661144

<400>	103													
Met	Gly	Cys	Leu	Val	Trp	Gly	Pro	Ser	Trp	Pro	Pro	Leu	Ser	Leu
1				5					10					15
Leu	Ala	Ser	Leu	Leu	His	Ser	Gly	Ile	Ala	Gly	Arg	Cys	Leu	Leu
				20					25					30
Cys	Leu	Phe	Lys	Gly	Leu	Ala	Ala	Ala	Ala	Ser	Leu	Gln	Ile	Arg
				35					40					45
Asp	Leu	Ala	Ser	Arg	Leu	Thr	Thr	Gly	Pro	Arg	Thr	Cys	Arg	Val
				50					55					60
Gln	Pro	Pro	Pro	His	Pro	Gln	Ser	Ser	Pro	Pro	Trp	Pro	Gly	Pro
				65					70					75
Pro	Gly	Ala	Glu	Thr	Cys	Arg	Pro	Leu	Ser	Arg	Thr	Val	Gly	Gly
				80					85					90
Val	Cys	Pro	Ser	Asp	Trp	Pro	Val	Ser	Trp	Leu	Leu	Leu	Pro	Pro
				95					100					105
Leu	Pro	Glu	Val	Val	Thr	Cys	Ser	Cys	Pro	Arg	Ile	Lys	Ala	Arg
				110					115					120
Pro	Glu	Arg	Thr	Pro	Glu	Leu	Leu	Cys	Ala	Trp	Gly	Gly	Arg	Gly
				125					130					135
Lys	His	Ser	Gln	Leu	Val	Ala								
				140										

<210> 104
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1685409

<400>	104													
Met	Glu	Thr	Gly	Arg	Leu	Leu	Ser	Leu	Ser	Ser	Leu	Pro	Leu	Val
1				5					10					15
Leu	Leu	Gly	Trp	Glu	Tyr	Ser	Ser	Gln	Thr	Leu	Asn	Leu	Val	Pro
				20					25					30
Ser	Thr	Ser	Ile	Leu	Ser	Phe	Val	Pro	Phe	Ile	Pro	Leu	His	Leu

				35					40					45
Val	Leu	Phe	Ala	Leu	Trp	Tyr	Leu	Pro	Val	Pro	His	His	Leu	Tyr
				50					55					60
Pro	Gln	Gly	Leu	Gly	Asp	His	Ala	Ala	Glu	Ala	Glu	Lys	Gly	Lys
				65					70					75
Arg	Glu	Glu	Gly	Gly	Thr	Gln	Val	Ala	Leu	Trp	Leu	Arg	Val	Gln
				80					85					90
Pro	Ser	Cys	Pro	Ser	Pro	Val	Cys	Leu	Glu	Pro	Val	Pro	Pro	Arg
				95					100					105
Ser	Arg	Phe	Leu	Leu										
				110										

<210> 105
 <211> 120
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1731419

<400> 105														
Met	Ser	Arg	Ala	Gly	Met	Leu	Gly	Val	Val	Cys	Ala	Leu	Leu	Val
1				5					10					15
Trp	Ala	Tyr	Leu	Ala	Val	Gly	Lys	Leu	Val	Val	Arg	Met	Thr	Phe
				20					25					30
Thr	Glu	Leu	Cys	Thr	His	His	Pro	Trp	Ser	Leu	Arg	Cys	Glu	Ser
				35					40					45
Phe	Cys	Arg	Ser	Arg	Val	Thr	Ala	Cys	Leu	Pro	Ala	Pro	Ala	Pro
				50					55					60
Trp	Leu	Arg	Pro	Phe	Leu	Cys	Pro	Met	Leu	Phe	Ser	Asp	Arg	Asn
				65					70					75
Pro	Val	Glu	Cys	His	Leu	Phe	Gly	Glu	Ala	Val	Ser	Asp	Pro	Val
				80					85					90
Cys	Lys	Gly	Leu	Leu	Pro	His	Tyr	Phe	Trp	His	Pro	Thr	Phe	Phe
				95					100					105
Pro	Val	Lys	Ala	Asn	Cys	Leu	Val	Ser	Phe	Cys	Pro	Thr	Thr	Val
				110					115					120

<210> 106
 <211> 135
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 2650265

<400> 106														
Met	Ala	Arg	Phe	Trp	Val	Cys	Val	Ala	Gly	Ala	Gly	Phe	Phe	Leu
1				5					10					15
Ala	Phe	Leu	Val	Leu	His	Ser	Arg	Phe	Cys	Gly	Ser	Pro	Val	Leu
				20					25					30
Arg	Asn	Phe	Thr	Phe	Ala	Val	Ser	Trp	Arg	Thr	Glu	Lys	Ile	Leu
				35					40					45
Tyr	Arg	Leu	Asp	Val	Gly	Trp	Pro	Lys	His	Pro	Glu	Tyr	Phe	Thr
				50					55					60
Gly	Thr	Thr	Phe	Cys	Val	Ala	Val	Asp	Ser	Leu	Asn	Gly	Leu	Val
				65					70					75
Tyr	Ile	Gly	Gln	Arg	Gly	Asp	Asn	Ile	Pro	Lys	Ile	Leu	Val	Phe

				80						85					90
Thr	Glu	Asp	Gly	Tyr	Phe	Leu	Arg	Ala	Trp	Asn	Tyr	Thr	Val	Asp	
				95					100					105	
Thr	Pro	His	Gly	Ile	Phe	Ala	Ala	Ser	Thr	Leu	Tyr	Glu	Gln	Ser	
				110					115					120	
Val	Trp	Ile	Thr	Asp	Val	Gly	Ser	Gly	Met	Tyr	Ser	Asn	Ile	Tyr	
				125					130					135	

<210> 107
 <211> 301
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2677129

<400> 107

Met	Leu	Met	Ile	Ile	Ile	Ile	Glu	Pro	Phe	Ser	Val	Leu	Ile	Leu	
1				5					10					15	
Phe	Lys	Ser	Gly	Ile	Leu	Ala	Asp	Phe	Phe	Ala	Leu	Leu	Leu	Leu	
				20					25					30	
Ile	Asn	Phe	Phe	Leu	Val	Ser	Phe	Phe	Leu	Ala	Tyr	Pro	Leu	Phe	
				35					40					45	
Asn	Asn	Gln	Ile	Asn	Ser	Arg	Ser	Met	Asn	Glu	Ile	Lys	Asn	Leu	
				50					55					60	
Gln	Tyr	Leu	Pro	Arg	Thr	Ser	Glu	Pro	Arg	Glu	Val	Leu	Phe	Glu	
				65					70					75	
Asp	Arg	Thr	Arg	Ala	His	Ala	Asp	His	Val	Gly	Gln	Gly	Phe	Asp	
				80					85					90	
Trp	Gln	Ser	Thr	Ala	Ala	Val	Gly	Val	Leu	Lys	Ala	Val	Gln	Phe	
				95					100					105	
Gly	Glu	Trp	Ser	Asp	Gln	Pro	Arg	Ile	Thr	Lys	Asp	Val	Ile	Cys	
				110					115					120	
Phe	His	Ala	Glu	Asp	Phe	Thr	Asp	Val	Val	Gln	Arg	Leu	Gln	Leu	
				125					130					135	
Asp	Leu	His	Glu	Pro	Pro	Val	Ser	Gln	Cys	Val	Gln	Trp	Val	Asp	
				140					145					150	
Glu	Ala	Lys	Leu	Asn	Gln	Met	Arg	Arg	Glu	Gly	Ile	Arg	Tyr	Ala	
				155					160					165	
Arg	Ile	Gln	Leu	Cys	Asp	Asn	Asp	Ile	Tyr	Phe	Ile	Pro	Arg	Asn	
				170					175					180	
Val	Ile	His	Gln	Phe	Lys	Thr	Val	Ser	Ala	Val	Cys	Ser	Leu	Ala	
				185					190					195	
Trp	His	Ile	Arg	Leu	Lys	Gln	Tyr	His	Pro	Val	Val	Glu	Ala	Thr	
				200					205					210	
Gln	Asn	Thr	Glu	Ser	Asn	Ser	Asn	Met	Asp	Cys	Gly	Leu	Thr	Gly	
				215					220					225	
Lys	Arg	Glu	Leu	Glu	Val	Asp	Ser	Gln	Cys	Val	Arg	Ile	Lys	Thr	
				230					235					240	
Glu	Ser	Glu	Glu	Ala	Cys	Thr	Glu	Ile	Gln	Leu	Leu	Thr	Thr	Ala	
				245					250					255	
Ser	Ser	Ser	Phe	Pro	Pro	Ala	Ser	Glu	Leu	Asn	Leu	Gln	Gln	Asp	
				260					265					270	
Gln	Lys	Thr	Gln	Pro	Ile	Pro	Val	Leu	Lys	Val	Glu	Ser	Arg	Leu	
				275					280					285	
Asp	Ser	Asp	Gln	Gln	His	Asn	Leu	Gln	Glu	His	Ser	Thr	Thr	Ser	
				290					295					300	

Val

<210> 108
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3151073

<400> 108
 Met Ser Phe Val Pro Gly Leu Leu Leu Cys Phe Val Leu Leu Leu
 1 5 10 15
 Cys Val Ser Pro Val Tyr Leu Pro Ser Arg Ser Pro Ser Thr Phe
 20 25 30
 Pro Ile Ser Glu Pro Leu Ser Phe Ile Gly Met Ser Ala Trp Pro
 35 40 45
 Gln Cys Ser Pro Ile Tyr Ser Gln Thr Pro Gly Leu Ala Tyr Glu
 50 55 60
 Pro Ser Ser Phe Pro Lys Arg Arg Tyr Trp Val Cys Thr Leu His
 65 70 75
 Glu Ile Lys Trp Glu Cys Pro Arg Ser Arg Arg Thr Ser Asp Ala
 80 85 90
 Val His Ala Asn Lys Leu Gly Leu Pro Leu Lys Ile Ile
 95 100

<210> 109
 <211> 95
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 3170095

<400> 109
 Met Lys Phe Leu Leu Leu Val Leu Ala Ala Leu Gly Phe Leu Thr
 1 5 10 15
 Gln Val Ile Pro Ala Ser Ala Gly Gly Ser Lys Cys Val Ser Asn
 20 25 30
 Thr Pro Gly Tyr Cys Arg Thr Cys Cys His Trp Gly Glu Thr Ala
 35 40 45
 Leu Phe Met Cys Asn Ala Ser Arg Lys Cys Cys Ile Ser Tyr Ser
 50 55 60
 Phe Leu Pro Lys Pro Asp Leu Pro Gln Leu Ile Gly Asn His Trp
 65 70 75
 Gln Ser Arg Arg Arg Asn Thr Gln Arg Lys Asp Lys Lys Gln Gln
 80 85 90
 Thr Thr Val Thr Ser
 95

<210> 110
 <211> 113
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3475168

<400> 110

Met	Ser	Pro	Ser	Pro	Arg	Trp	Gly	Phe	Leu	Cys	Val	Leu	Phe	Thr
1				5					10					15
Ala	Val	His	Pro	Ala	Pro	Ser	Thr	Ala	Pro	Val	Gln	Asp	Lys	Cys
				20					25					30
Pro	Val	Asn	Thr	Trp	Glu	Ala	Met	Gln	Ala	Ser	Ser	Gln	Gln	Leu
				35					40					45
Leu	Gln	Thr	Asp	Pro	Arg	Pro	Lys	Pro	Phe	Leu	Leu	Pro	Pro	Leu
				50					55					60
Pro	Pro	Leu	Leu	Leu	Ile	Ser	Ala	Gly	Thr	Glu	Val	Ser	Ser	Leu
				65					70					75
Val	Phe	Gln	Lys	Ser	Pro	Leu	His	Thr	Gln	Pro	Glu	Gly	Ala	Ile
				80					85					90
Lys	Thr	Ala	Gly	Gln	Pro	Thr	Ser	Val	His	Ser	Lys	Val	Leu	Ser
				95					100					105
Lys	Gly	Ser	Leu	Leu	Leu	Gly	Glu							
				110										

<210> 111

<211> 234

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3836893

<400> 111

Met	Arg	Lys	Thr	Arg	Leu	Trp	Gly	Leu	Leu	Trp	Met	Leu	Phe	Val
1				5					10					15
Ser	Glu	Leu	Arg	Ala	Ala	Thr	Lys	Leu	Thr	Glu	Glu	Lys	Tyr	Glu
				20					25					30
Leu	Lys	Glu	Gly	Gln	Thr	Leu	Asp	Val	Lys	Cys	Asp	Tyr	Thr	Leu
				35					40					45
Glu	Lys	Phe	Ala	Ser	Ser	Gln	Lys	Ala	Trp	Gln	Ile	Ile	Arg	Asp
				50					55					60
Gly	Glu	Met	Pro	Lys	Thr	Leu	Ala	Cys	Thr	Glu	Arg	Pro	Ser	Lys
				65					70					75
Asn	Ser	His	Pro	Val	Gln	Val	Gly	Arg	Ile	Ile	Leu	Glu	Asp	Tyr
				80					85					90
His	Asp	His	Gly	Leu	Leu	Arg	Val	Arg	Met	Val	Asn	Leu	Gln	Val
				95					100					105
Glu	Asp	Ser	Gly	Leu	Tyr	Gln	Cys	Val	Ile	Tyr	Gln	Pro	Pro	Lys
				110					115					120
Glu	Pro	His	Met	Leu	Phe	Asp	Arg	Ile	Arg	Leu	Val	Val	Thr	Lys
				125					130					135
Gly	Phe	Ser	Gly	Thr	Pro	Gly	Ser	Asn	Glu	Asn	Ser	Thr	Gln	Asn
				140					145					150
Val	Tyr	Lys	Ile	Pro	Pro	Thr	Thr	Thr	Lys	Ala	Leu	Cys	Pro	Leu
				155					160					165
Tyr	Thr	Ser	Pro	Arg	Thr	Val	Thr	Gln	Ala	Pro	Pro	Lys	Ser	Thr
				170					175					180
Ala	Asp	Val	Ser	Thr	Pro	Asp	Ser	Glu	Ile	Asn	Leu	Thr	Asn	Val
				185					190					195
Thr	Asp	Ile	Ile	Arg	Val	Pro	Val	Phe	Asn	Ile	Val	Ile	Leu	Leu
				200					205					210
Ala	Gly	Gly	Phe	Leu	Ser	Lys	Ser	Leu	Val	Phe	Ser	Val	Leu	Phe
				215					220					225
Ala	Val	Thr	Leu	Arg	Ser	Phe	Val	Pro						
				230										

<210> 112
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 4072159

<400> 112
 Met Val Leu Pro Leu Pro Trp Leu Ser Arg Tyr His Phe Leu Arg
 1 5 10 15
 Leu Leu Leu Pro Ser Trp Ser Leu Ala Pro Gln Gly Ser His Gly
 20 25 30
 Cys Cys Ser Gln Asn Pro Lys Ala Ser Met Glu Glu Gln Thr Asn
 35 40 45
 Ser Arg Gly Asn Gly Lys Met Thr Ser Pro Pro Arg Gly Pro Gly
 50 55 60
 Thr His Arg Thr Ala Glu Leu Ala Arg Ala Glu Glu Leu Leu Glu
 65 70 75
 Gln Gln Leu Glu Leu Tyr Gln Ala Leu Leu Glu Gly Gln Glu Gly
 80 85 90
 Ala Trp Glu Ala Gln Ala Leu Val Leu Lys Ile Gln Lys Leu Lys
 95 100 105
 Glu Gln Met Arg Arg His Gln Glu Ser Leu Gly Gly Gly Ala
 110 115

<210> 113
 <211> 200
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1003916

<400> 113
 Met Ala Ser Ser Leu Thr Cys Thr Gly Val Ile Trp Ala Leu Leu
 1 5 10 15
 Ser Phe Leu Cys Ala Ala Thr Ser Cys Val Gly Phe Phe Met Pro
 20 25 30
 Tyr Trp Leu Trp Gly Ser Gln Leu Gly Lys Pro Val Ser Phe Gly
 35 40 45
 Thr Phe Arg Arg Cys Ser Tyr Pro Val His Asp Glu Ser Arg Gln
 50 55 60
 Met Met Val Met Val Glu Glu Cys Gly Arg Tyr Ala Ser Phe Gln
 65 70 75
 Gly Ile Pro Ser Ala Glu Trp Arg Ile Cys Thr Ile Val Thr Gly
 80 85 90
 Leu Gly Cys Gly Leu Leu Leu Leu Val Ala Leu Thr Ala Leu Met
 95 100 105
 Gly Cys Cys Val Ser Asp Leu Ile Ser Arg Thr Val Gly Arg Val
 110 115 120
 Ala Gly Gly Ile Gln Phe Leu Gly Gly Leu Leu Ile Gly Ala Gly
 125 130 135
 Cys Ala Leu Tyr Pro Leu Gly Trp Asp Ser Glu Glu Val Arg Gln
 140 145 150
 Thr Cys Gly Tyr Thr Ser Gly Gln Phe Asp Leu Gly Lys Cys Glu
 155 160 165
 Ile Gly Trp Ala Tyr Tyr Cys Thr Gly Ala Gly Ala Thr Ala Ala
 170 175 180

PF-0541 PCT

Met Leu Leu Cys Thr Trp Leu Ala Cys Phe Ser Gly Lys Lys Gln
185 190 195
Lys His Tyr Pro Tyr
200

<210> 114
<211> 225
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2093492

<400> 114
Met Gly Phe Arg Leu Glu Gly Ile Phe Pro Ala Ala Leu Leu Pro
1 5 10 15
Leu Leu Leu Thr Met Ile Leu Phe Leu Gly Pro Leu Met Gln Leu
20 25 30
Ser Met Asp Cys Pro Cys Asp Leu Ala Asp Gly Leu Lys Val Val
35 40 45
Leu Ala Pro Arg Ser Trp Ala Arg Cys Leu Thr Asp Met Arg Trp
50 55 60
Leu Arg Asn Gln Val Ile Ala Pro Leu Thr Glu Glu Leu Val Phe
65 70 75
Arg Ala Cys Met Leu Pro Met Leu Ala Pro Cys Met Gly Leu Gly
80 85 90
Pro Ala Val Phe Thr Cys Pro Leu Phe Phe Gly Val Ala His Phe
95 100 105
His His Ile Ile Glu Gln Leu Arg Phe Arg Gln Ser Ser Val Gly
110 115 120
Asn Ile Phe Leu Ser Ala Ala Phe Gln Phe Ser Tyr Thr Ala Val
125 130 135
Phe Gly Ala Tyr Thr Ala Phe Leu Phe Ile Arg Thr Gly His Leu
140 145 150
Ile Gly Pro Val Leu Cys His Ser Phe Cys Asn Tyr Met Gly Phe
155 160 165
Pro Ala Val Cys Ala Ala Leu Glu His Pro Gln Arg Arg Pro Leu
170 175 180
Leu Ala Gly Tyr Ala Leu Gly Val Gly Leu Phe Leu Leu Leu Leu
185 190 195
Gln Pro Leu Thr Asp Pro Lys Leu Tyr Gly Ser Leu Pro Leu Cys
200 205 210
Val Leu Leu Glu Arg Ala Gly Asp Ser Glu Ala Pro Leu Cys Ser
215 220 225

<210> 115
<211> 155
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2108789

<400> 115
Met Ser Gly Leu Leu Ile Pro Pro Leu Pro Gly Trp Val Leu Gly
1 5 10 15
Pro Leu Met Trp Ala Cys Arg Pro Pro Gln Asp Glu Pro Ser Gly

				20					25					30
Thr	Asp	Pro	Pro	Pro	Pro	Arg	Leu	Gln	Pro	His	His	Val	Ser	Gly
				35					40					45
Leu	Gly	Leu	Gly	Gln	Ala	Trp	Ala	Gln	Ser	Trp	Ala	Pro	Arg	Gly
				50					55					60
Ser	Pro	Pro	Leu	Thr	Trp	Leu	Leu	Pro	Thr	Leu	Pro	Leu	Lys	Asp
				65					70					75
Gly	Pro	Ala	Ala	Arg	Leu	Pro	Pro	Pro	Pro	His	Thr	Thr	Leu	Gly
				80					85					90
Gly	Leu	Ser	His	Pro	Pro	Gln	Pro	Arg	Ser	Ala	Gln	Thr	Asp	Pro
				95					100					105
His	Ser	Ile	Pro	Arg	Pro	Ala	Ala	Gln	Val	Arg	Gly	Pro	Val	Leu
				110					115					120
Pro	Gly	Ala	Trp	Ala	Thr	Pro	Tyr	Ala	Ile	Ser	Ser	Glu	Gln	Pro
				125					130					135
Gly	Pro	Thr	Asp	Pro	His	Ala	Leu	Ser	Tyr	Val	Pro	Phe	Ser	Pro
				140					145					150
Asp	Phe	Phe	Cys	Thr										
				155										

<210> 116
 <211> 468
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2171401

Met	Gly	Arg	Gly	Trp	Gly	Phe	Leu	Phe	Gly	Leu	Leu	Gly	Ala	Val
1				5					10					15
Trp	Leu	Leu	Ser	Ser	Gly	His	Gly	Glu	Glu	Gln	Pro	Pro	Glu	Thr
				20					25					30
Ala	Ala	Gln	Arg	Cys	Phe	Cys	Gln	Val	Ser	Gly	Tyr	Leu	Asp	Asp
				35					40					45
Cys	Thr	Cys	Asp	Val	Glu	Thr	Ile	Asp	Arg	Phe	Asn	Asn	Tyr	Arg
				50					55					60
Leu	Phe	Pro	Arg	Leu	Gln	Lys	Leu	Leu	Glu	Ser	Asp	Tyr	Phe	Arg
				65					70					75
Tyr	Tyr	Lys	Val	Asn	Leu	Lys	Arg	Pro	Cys	Pro	Phe	Trp	Asn	Asp
				80					85					90
Ile	Ser	Gln	Cys	Gly	Arg	Arg	Asp	Cys	Ala	Val	Lys	Pro	Cys	Gln
				95					100					105
Ser	Asp	Glu	Val	Pro	Asp	Gly	Ile	Lys	Ser	Ala	Ser	Tyr	Lys	Tyr
				110					115					120
Ser	Glu	Glu	Ala	Asn	Asn	Leu	Ile	Glu	Glu	Cys	Glu	Gln	Ala	Glu
				125					130					135
Arg	Leu	Gly	Ala	Val	Asp	Glu	Ser	Leu	Ser	Glu	Glu	Thr	Gln	Lys
				140					145					150
Ala	Val	Leu	Gln	Trp	Thr	Lys	His	Asp	Asp	Ser	Ser	Asp	Asn	Phe
				155					160					165
Cys	Glu	Ala	Asp	Asp	Ile	Gln	Ser	Pro	Glu	Ala	Glu	Tyr	Val	Asp
				170					175					180
Leu	Leu	Leu	Asn	Pro	Glu	Arg	Tyr	Thr	Gly	Tyr	Lys	Gly	Pro	Asp
				185					190					195
Ala	Trp	Lys	Ile	Trp	Asn	Val	Ile	Tyr	Glu	Glu	Asn	Cys	Phe	Lys
				200					205					210
Pro	Gln	Thr	Ile	Lys	Arg	Pro	Leu	Asn	Pro	Leu	Ala	Ser	Gly	Gln
				215					220					225
Gly	Thr	Ser	Glu	Glu	Asn	Thr	Phe	Tyr	Ser	Trp	Leu	Glu	Gly	Leu
				230					235					240

Cys	Val	Glu	Lys	Arg	Ala	Phe	Tyr	Arg	Leu	Ile	Ser	Gly	Leu	His
				245					250					255
Ala	Ser	Ile	Asn	Val	His	Leu	Ser	Ala	Arg	Tyr	Leu	Leu	Gln	Glu
				260					265					270
Thr	Trp	Leu	Glu	Lys	Lys	Trp	Gly	His	Asn	Ile	Thr	Glu	Phe	Gln
				275					280					285
Gln	Arg	Phe	Asp	Gly	Ile	Leu	Thr	Glu	Gly	Glu	Gly	Pro	Arg	Arg
				290					295					300
Leu	Lys	Asn	Leu	Tyr	Phe	Leu	Tyr	Leu	Ile	Glu	Leu	Arg	Ala	Leu
				305					310					315
Ser	Lys	Val	Leu	Pro	Phe	Phe	Glu	Arg	Pro	Asp	Phe	Gln	Leu	Phe
				320					325					330
Thr	Gly	Asn	Lys	Ile	Gln	Asp	Glu	Glu	Asn	Lys	Met	Leu	Leu	Leu
				335					340					345
Glu	Ile	Leu	His	Glu	Ile	Lys	Ser	Phe	Pro	Leu	His	Phe	Asp	Glu
				350					355					360
Asn	Ser	Phe	Phe	Ala	Gly	Asp	Lys	Lys	Glu	Ala	His	Lys	Leu	Lys
				365					370					375
Glu	Asp	Phe	Arg	Leu	His	Phe	Arg	Asn	Ile	Ser	Arg	Ile	Met	Asp
				380					385					390
Cys	Val	Gly	Cys	Phe	Lys	Cys	Arg	Leu	Trp	Gly	Lys	Leu	Gln	Thr
				395					400					405
Gln	Gly	Leu	Gly	Thr	Ala	Leu	Lys	Ile	Leu	Phe	Ser	Glu	Lys	Leu
				410					415					420
Ile	Ala	Asn	Met	Pro	Glu	Ser	Gly	Pro	Ser	Tyr	Glu	Phe	His	Leu
				425					430					435
Thr	Arg	Gln	Glu	Ile	Val	Ser	Leu	Phe	Asn	Ala	Phe	Gly	Arg	Ile
				440					445					450
Ser	Thr	Ser	Val	Lys	Glu	Leu	Glu	Asn	Phe	Arg	Asn	Leu	Leu	Gln
				455					460					465
Asn	Ile	His												

<210> 117

<211> 403

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2212530

<400> 117

Met	Ser	Thr	Ser	Thr	Ser	Pro	Ala	Ala	Met	Leu	Leu	Arg	Arg	Leu
1				5					10					15
Arg	Arg	Leu	Ser	Trp	Gly	Ser	Thr	Ala	Val	Gln	Leu	Phe	Ile	Leu
				20					25					30
Thr	Val	Val	Thr	Phe	Gly	Leu	Leu	Ala	Pro	Leu	Ala	Cys	His	Arg
				35					40					45
Leu	Leu	His	Ser	Tyr	Phe	Tyr	Leu	Arg	His	Trp	His	Leu	Asn	Gln
				50					55					60
Met	Ser	Gln	Glu	Phe	Leu	Gln	Gln	Ser	Leu	Lys	Glu	Gly	Glu	Ala
				65					70					75
Ala	Leu	His	Tyr	Phe	Glu	Glu	Leu	Pro	Ser	Ala	Asn	Gly	Ser	Val
				80					85					90
Pro	Ile	Val	Trp	Gln	Ala	Thr	Pro	Arg	Pro	Trp	Leu	Val	Ile	Thr
				95					100					105
Ile	Ile	Thr	Val	Asp	Arg	Gln	Pro	Gly	Phe	His	Tyr	Val	Leu	Gln
				110					115					120
Val	Val	Ser	Gln	Phe	His	Arg	Leu	Leu	Gln	Gln	Cys	Gly	Pro	Gln
				125					130					135
Cys	Glu	Gly	His	Gln	Leu	Phe	Leu	Cys	Asn	Val	Glu	Arg	Ser	Val
				140					145					150

Ser	His	Phe	Asp	Ala	Lys	Leu	Leu	Ser	Lys	Tyr	Val	Pro	Val	Ala	
				155					160					165	
Asn	Arg	Tyr	Glu	Gly	Thr	Glu	Asp	Asp	Tyr	Gly	Asp	Asp	Pro	Ser	
				170					175					180	
Thr	Asn	Ser	Phe	Glu	Lys	Glu	Lys	Gln	Asp	Tyr	Val	Tyr	Cys	Leu	
				185					190					195	
Glu	Ser	Ser	Leu	Gln	Thr	Tyr	Asn	Pro	Asp	Tyr	Val	Leu	Met	Val	
				200					205					210	
Glu	Asp	Asp	Ala	Val	Pro	Glu	Glu	Gln	Ile	Phe	Pro	Val	Leu	Glu	
				215					220					225	
His	Leu	Leu	Arg	Ala	Arg	Phe	Ser	Glu	Pro	His	Leu	Arg	Asp	Ala	
				230					235					240	
Leu	Tyr	Leu	Lys	Leu	Tyr	His	Pro	Glu	Arg	Leu	Gln	His	Tyr	Ile	
				245					250					255	
Asn	Pro	Glu	Pro	Met	Arg	Ile	Leu	Glu	Trp	Val	Gly	Val	Gly	Met	
				260					265					270	
Leu	Leu	Gly	Pro	Leu	Leu	Thr	Trp	Ile	Tyr	Met	Arg	Phe	Ala	Ser	
				275					280					285	
Arg	Pro	Gly	Phe	Ser	Trp	Pro	Val	Met	Leu	Phe	Phe	Ser	Leu	Tyr	
				290					295					300	
Ser	Met	Gly	Leu	Val	Glu	Leu	Val	Gly	Arg	His	Tyr	Phe	Leu	Glu	
				305					310					315	
Leu	Arg	Arg	Leu	Ser	Pro	Ser	Leu	Tyr	Ser	Val	Val	Pro	Ala	Ser	
				320					325					330	
Gln	Cys	Cys	Thr	Pro	Ala	Met	Leu	Phe	Pro	Ala	Pro	Ala	Ala	Arg	
				335					340					345	
Arg	Thr	Leu	Thr	Tyr	Leu	Ser	Gln	Val	Tyr	Cys	His	Lys	Gly	Phe	
				350					355					360	
Gly	Lys	Asp	Met	Ala	Leu	Tyr	Ser	Leu	Leu	Arg	Ala	Lys	Gly	Glu	
				365					370					375	
Arg	Ala	Tyr	Val	Val	Glu	Pro	Asn	Leu	Val	Lys	His	Ile	Gly	Leu	
				380					385					390	
Phe	Ser	Ser	Leu	Arg	Tyr	Asn	Phe	His	Pro	Ser	Leu	Leu			
				395					400						

<210> 118
 <211> 131
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 2253036

<400> 118														
Met	Glu	Arg	Cys	Phe	His	Cys	Phe	Pro	Val	His	Leu	Val	Phe	Asn
1				5					10					15
Leu	Val	Gln	Ser	Phe	Ser	Pro	Ile	Ser	Gly	Val	Glu	Ser	Cys	Leu
				20					25					30
Leu	Pro	Gln	Cys	Asp	Lys	Cys	Trp	Pro	Met	Val	Tyr	Arg	Ser	Cys
				35					40					45
Asp	Ala	Ser	Arg	Gly	Leu	Val	Asn	Ala	Cys	Ile	Leu	Gly	Phe	Val
				50					55					60
Leu	Leu	Glu	Cys	Ser	Phe	Val	Gly	Ala	Leu	Asn	Asn	Tyr	Val	Arg
				65					70					75
Ser	Leu	Ala	Thr	Leu	Leu	Glu	Arg	Thr	His	Gly	Gly	Lys	Arg	Leu
				80					85					90
Lys	Leu	Cys	Glu	Glu	Ser	Gln	Ala	Ser	His	Pro	Ser	Phe	Ser	Ala
				95					100					105
Glu	Pro	Arg	His	Gln	Pro	Thr	Cys	Gln	Leu	Asn	Ala	Thr	Val	Arg
				110					115					120
Val	Ile	Thr	Ser	Lys	Ile	Thr	Arg	Lys	Thr	Thr				
				125					130					

<210> 119
 <211> 556
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2280161

<400> 119
 Met Ala Ala Ala Trp Leu Gln Val Leu Pro Val Ile Leu Leu
 1 5 10 15
 Leu Leu Gly Ala His Pro Ser Pro Leu Ser Phe Phe Ser Ala Gly
 20 25 30
 Pro Ala Thr Val Ala Ala Ala Asp Arg Ser Lys Trp His Ile Pro
 35 40 45
 Ile Pro Ser Gly Lys Asn Tyr Phe Ser Phe Gly Lys Ile Leu Phe
 50 55 60
 Arg Asn Thr Thr Ile Phe Leu Lys Phe Asp Gly Glu Pro Cys Asp
 65 70 75
 Leu Ser Leu Asn Ile Thr Trp Tyr Leu Lys Ser Ala Asp Cys Tyr
 80 85 90
 Asn Glu Ile Tyr Asn Phe Lys Ala Glu Glu Val Glu Leu Tyr Leu
 95 100 105
 Glu Lys Leu Lys Glu Lys Arg Gly Leu Ser Gly Lys Tyr Gln Thr
 110 115 120
 Ser Ser Lys Leu Phe Gln Asn Cys Ser Glu Leu Phe Lys Thr Gln
 125 130 135
 Thr Phe Ser Gly Asp Phe Met His Arg Leu Pro Leu Leu Gly Glu
 140 145 150
 Lys Gln Glu Ala Lys Glu Asn Gly Thr Asn Leu Thr Phe Ile Gly
 155 160 165
 Asp Lys Thr Ala Met His Glu Pro Leu Gln Thr Trp Gln Asp Ala
 170 175 180
 Pro Tyr Ile Phe Ile Val His Ile Gly Ile Ser Ser Ser Lys Glu
 185 190 195
 Ser Ser Lys Glu Asn Ser Leu Ser Asn Leu Phe Thr Met Thr Val
 200 205 210
 Glu Val Lys Gly Pro Tyr Glu Tyr Leu Thr Leu Glu Asp Tyr Pro
 215 220 225
 Leu Met Ile Phe Phe Met Val Met Cys Ile Val Tyr Val Leu Phe
 230 235 240
 Gly Val Leu Trp Leu Ala Trp Ser Ala Cys Tyr Trp Arg Asp Leu
 245 250 255
 Leu Arg Ile Gln Phe Trp Ile Gly Ala Val Ile Phe Leu Gly Met
 260 265 270
 Leu Glu Lys Ala Val Phe Tyr Ala Glu Phe Gln Asn Ile Arg Tyr
 275 280 285
 Lys Gly Glu Ser Val Gln Gly Ala Leu Ile Leu Ala Glu Leu Leu
 290 295 300
 Ser Ala Val Lys Arg Ser Leu Ala Arg Thr Leu Val Ile Ile Val
 305 310 315
 Ser Leu Gly Tyr Gly Ile Val Lys Pro Arg Leu Gly Val Thr Leu
 320 325 330
 His Lys Val Val Val Ala Gly Ala Leu Tyr Leu Leu Phe Ser Gly
 335 340 345
 Met Glu Gly Val Leu Arg Val Thr Gly Tyr Phe Ser Tyr Pro Leu
 350 355 360
 Thr Leu Ile Val Asn Leu Ala Leu Ser Ala Val Asp Ala Cys Val
 365 370 375
 Ile Leu Trp Ile Phe Ile Ser Leu Thr Gln Thr Met Lys Leu Leu

				380					385					390
Lys	Leu	Arg	Arg	Asn	Ile	Val	Lys	Leu	Ser	Leu	Tyr	Arg	His	Phe
				395					400					405
Thr	Asn	Thr	Leu	Ile	Leu	Ala	Val	Ala	Ala	Ser	Ile	Val	Phe	Ile
				410					415					420
Ile	Trp	Thr	Thr	Met	Lys	Phe	Arg	Ile	Val	Thr	Cys	Gln	Ser	Asp
				425					430					435
Trp	Arg	Glu	Leu	Trp	Val	Asp	Asp	Ala	Ile	Trp	Arg	Leu	Leu	Phe
				440					445					450
Ser	Met	Ile	Leu	Phe	Val	Ile	Met	Val	Leu	Trp	Arg	Pro	Ser	Ala
				455					460					465
Asn	Asn	Gln	Arg	Phe	Ala	Phe	Ser	Pro	Leu	Ser	Glu	Glu	Glu	Glu
				470					475					480
Glu	Asp	Glu	Gln	Lys	Glu	Pro	Met	Leu	Lys	Glu	Ser	Phe	Glu	Gly
				485					490					495
Met	Lys	Met	Arg	Ser	Thr	Lys	Gln	Glu	Pro	Asn	Gly	Asn	Ser	Lys
				500					505					510
Val	Asn	Lys	Ala	Gln	Glu	Asp	Asp	Leu	Lys	Trp	Val	Glu	Glu	Asn
				515					520					525
Val	Pro	Ser	Ser	Val	Thr	Asp	Val	Ala	Leu	Pro	Ala	Leu	Leu	Asp
				530					535					540
Ser	Asp	Glu	Glu	Arg	Met	Ile	Thr	His	Phe	Glu	Arg	Ser	Lys	Met
				545					550					555
Glu														

<210> 120

<211> 514

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2287485

<400> 120

Met	Ser	Trp	Pro	Arg	Arg	Leu	Leu	Leu	Arg	Tyr	Leu	Phe	Pro	Ala
1				5					10					15
Leu	Leu	Leu	His	Gly	Leu	Gly	Glu	Gly	Ser	Ala	Leu	Leu	His	Pro
				20					25					30
Asp	Ser	Arg	Ser	His	Pro	Arg	Ser	Leu	Glu	Lys	Ser	Ala	Trp	Arg
				35					40					45
Ala	Phe	Lys	Glu	Ser	Gln	Cys	His	His	Met	Leu	Lys	His	Leu	His
				50					55					60
Asn	Gly	Ala	Arg	Ile	Thr	Val	Gln	Met	Pro	Pro	Thr	Ile	Glu	Gly
				65					70					75
His	Trp	Val	Ser	Thr	Gly	Cys	Glu	Val	Arg	Ser	Gly	Pro	Glu	Phe
				80					85					90
Ile	Thr	Arg	Ser	Tyr	Arg	Phe	Tyr	His	Asn	Asn	Thr	Phe	Lys	Ala
				95					100					105
Tyr	Gln	Phe	Tyr	Tyr	Gly	Ser	Asn	Arg	Cys	Thr	Asn	Pro	Thr	Tyr
				110					115					120
Thr	Leu	Ile	Ile	Arg	Gly	Lys	Ile	Arg	Leu	Arg	Gln	Ala	Ser	Trp
				125					130					135
Ile	Ile	Arg	Gly	Gly	Thr	Glu	Ala	Asp	Tyr	Gln	Leu	His	Asn	Val
				140					145					150
Gln	Val	Ile	Cys	His	Thr	Glu	Ala	Val	Ala	Glu	Lys	Leu	Gly	Gln
				155					160					165
Gln	Val	Asn	Arg	Thr	Cys	Pro	Gly	Phe	Leu	Ala	Asp	Gly	Gly	Pro
				170					175					180
Trp	Val	Gln	Asp	Val	Ala	Tyr	Asp	Leu	Trp	Arg	Glu	Glu	Asn	Gly
				185					190					195
Cys	Glu	Cys	Thr	Lys	Ala	Val	Asn	Phe	Ala	Met	His	Glu	Leu	Gln
				200					205					210

Leu	Ile	Arg	Val	Glu	Lys	Gln	Tyr	Leu	His	His	Asn	Leu	Asp	His
				215					220					225
Leu	Val	Glu	Glu	Leu	Phe	Leu	Gly	Asp	Ile	His	Thr	Asp	Ala	Thr
				230					235					240
Gln	Arg	Met	Phe	Tyr	Arg	Pro	Ser	Ser	Tyr	Gln	Pro	Pro	Leu	Gln
				245					250					255
Asn	Ala	Lys	Asn	His	Asp	His	Ala	Cys	Ile	Ala	Cys	Arg	Ile	Ile
				260					265					270
Tyr	Arg	Ser	Asp	Glu	His	His	Pro	Pro	Ile	Leu	Pro	Pro	Lys	Ala
				275					280					285
Asp	Leu	Thr	Ile	Gly	Leu	His	Gly	Glu	Trp	Val	Ser	Gln	Arg	Cys
				290					295					300
Glu	Val	Arg	Pro	Glu	Val	Leu	Phe	Leu	Thr	Arg	His	Phe	Ile	Phe
				305					310					315
His	Asp	Asn	Asn	Asn	Thr	Trp	Glu	Gly	His	Tyr	Tyr	His	Tyr	Ser
				320					325					330
Asp	Pro	Val	Cys	Lys	His	Pro	Thr	Phe	Ser	Ile	Tyr	Ala	Arg	Gly
				335					340					345
Arg	Tyr	Ser	Arg	Gly	Val	Leu	Ser	Ser	Arg	Val	Met	Gly	Gly	Thr
				350					355					360
Glu	Phe	Val	Phe	Lys	Val	Asn	His	Met	Lys	Val	Thr	Pro	Met	Asp
				365					370					375
Ala	Ala	Thr	Ala	Ser	Leu	Leu	Asn	Val	Phe	Asn	Gly	Asn	Glu	Cys
				380					385					390
Gly	Ala	Glu	Gly	Ser	Trp	Gln	Val	Gly	Ile	Gln	Gln	Asp	Val	Thr
				395					400					405
His	Thr	Asn	Gly	Cys	Val	Ala	Leu	Gly	Ile	Lys	Leu	Pro	His	Thr
				410					415					420
Glu	Tyr	Glu	Ile	Phe	Lys	Met	Glu	Gln	Asp	Ala	Arg	Gly	Arg	Tyr
				425					430					435
Leu	Leu	Phe	Asn	Gly	Gln	Arg	Pro	Ser	Asp	Gly	Ser	Ser	Pro	Asp
				440					445					450
Arg	Pro	Glu	Lys	Arg	Ala	Thr	Ser	Tyr	Gln	Met	Pro	Leu	Val	Gln
				455					460					465
Cys	Ala	Ser	Ser	Ser	Pro	Arg	Ala	Glu	Asp	Leu	Ala	Glu	Asp	Ser
				470					475					480
Gly	Ser	Ser	Leu	Tyr	Gly	Arg	Ala	Pro	Gly	Arg	His	Thr	Trp	Ser
				485					490					495
Leu	Leu	Leu	Ala	Ala	Leu	Ala	Cys	Leu	Val	Pro	Leu	Leu	His	Trp
				500					505					510
Asn	Ile	Arg	Arg											

<210> 121
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2380344

<400> 121														
Met	Leu	Trp	Trp	Leu	Val	Leu	Leu	Leu	Leu	Pro	Thr	Leu	Lys	Ser
1				5					10					15
Val	Phe	Cys	Ser	Leu	Val	Thr	Ser	Leu	Tyr	Leu	Pro	Asn	Thr	Glu
				20					25					30
Asp	Leu	Ser	Leu	Trp	Leu	Trp	Pro	Lys	Pro	Asp	Leu	His	Ser	Gly
				35					40					45
Thr	Arg	Thr	Glu	Val	Ser	Thr	His	Thr	Val	Pro	Ser	Lys	Pro	Gly
				50					55					60
Thr	Ala	Ser	Pro	Cys	Trp	Pro	Leu	Ala	Gly	Ala	Val	Pro	Ser	Pro
				65					70					75

Thr	Val	Ser	Arg	Leu	Glu	Ala	Leu	Thr	Arg	Ala	Val	Gln	Val	Ala
				80					85					90
Glu	Pro	Leu	Gly	Ser	Cys	Gly	Phe	Gln	Gly	Gly	Pro	Cys	Pro	Gly
				95					100					105
Arg	Arg	Arg	Asp											

<210> 122
 <211> 431
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2383171

<400> 122

Met	Ser	Trp	Val	Gln	Ala	Thr	Leu	Leu	Ala	Arg	Gly	Leu	Cys	Arg
1				5					10					15
Ala	Trp	Gly	Gly	Thr	Cys	Gly	Ala	Ala	Leu	Thr	Gly	Thr	Ser	Ile
				20					25					30
Ser	Gln	Val	Pro	Arg	Arg	Leu	Pro	Arg	Gly	Leu	His	Cys	Ser	Ala
				35					40					45
Ala	Ala	His	Ser	Ser	Glu	Gln	Ser	Leu	Val	Pro	Ser	Pro	Pro	Glu
				50					55					60
Pro	Arg	Gln	Arg	Pro	Thr	Lys	Ala	Leu	Val	Pro	Phe	Glu	Asp	Leu
				65					70					75
Phe	Gly	Gln	Ala	Pro	Gly	Gly	Glu	Arg	Asp	Lys	Ala	Ser	Phe	Leu
				80					85					90
Gln	Thr	Val	Gln	Lys	Phe	Ala	Glu	His	Ser	Val	Arg	Lys	Arg	Gly
				95					100					105
His	Ile	Asp	Phe	Ile	Tyr	Leu	Ala	Leu	Arg	Lys	Met	Arg	Glu	Tyr
				110					115					120
Gly	Val	Glu	Arg	Asp	Leu	Ala	Val	Tyr	Asn	Gln	Leu	Leu	Asn	Ile
				125					130					135
Phe	Pro	Lys	Glu	Val	Phe	Arg	Pro	Arg	Asn	Ile	Ile	Gln	Arg	Ile
				140					145					150
Phe	Val	His	Tyr	Pro	Arg	Gln	Gln	Glu	Cys	Gly	Ile	Ala	Val	Leu
				155					160					165
Glu	Gln	Met	Glu	Asn	His	Gly	Val	Met	Pro	Asn	Lys	Glu	Thr	Glu
				170					175					180
Phe	Leu	Leu	Ile	Gln	Ile	Phe	Gly	Arg	Lys	Ser	Tyr	Pro	Met	Leu
				185					190					195
Lys	Leu	Val	Arg	Leu	Lys	Leu	Trp	Phe	Pro	Arg	Phe	Met	Asn	Val
				200					205					210
Asn	Pro	Phe	Pro	Val	Pro	Arg	Asp	Leu	Pro	Gln	Asp	Pro	Val	Glu
				215					220					225
Leu	Ala	Met	Phe	Gly	Leu	Arg	His	Met	Glu	Pro	Asp	Leu	Ser	Ala
				230					235					240
Arg	Val	Thr	Ile	Tyr	Gln	Val	Pro	Leu	Pro	Lys	Asp	Ser	Thr	Gly
				245					250					255
Ala	Ala	Asp	Pro	Pro	Gln	Pro	His	Ile	Val	Gly	Ile	Gln	Ser	Pro
				260					265					270
Asp	Gln	Gln	Ala	Ala	Leu	Ala	Arg	His	Asn	Pro	Ala	Arg	Pro	Val
				275					280					285
Phe	Val	Glu	Gly	Pro	Phe	Ser	Leu	Trp	Leu	Arg	Asn	Lys	Cys	Val
				290					295					300
Tyr	Tyr	His	Ile	Leu	Arg	Ala	Asp	Leu	Leu	Pro	Pro	Glu	Glu	Arg
				305					310					315
Glu	Val	Glu	Glu	Thr	Pro	Glu	Glu	Trp	Asn	Leu	Tyr	Tyr	Pro	Met
				320					325					330
Gln	Leu	Asp	Leu	Glu	Tyr	Val	Arg	Ser	Gly	Trp	Asp	Asn	Tyr	Glu
				335					340					345

Phe	Asp	Ile	Asn	Glu	Val	Glu	Glu	Gly	Pro	Val	Phe	Ala	Met	Cys
				350					355					360
Met	Ala	Gly	Ala	His	Asp	Gln	Ala	Thr	Met	Ala	Lys	Trp	Ile	Gln
				365					370					375
Gly	Leu	Gln	Glu	Thr	Asn	Pro	Thr	Leu	Ala	Gln	Ile	Pro	Val	Val
				380					385					390
Phe	Arg	Leu	Ala	Gly	Ser	Thr	Arg	Glu	Leu	Gln	Thr	Ser	Ser	Ala
				395					400					405
Gly	Leu	Glu	Glu	Pro	Pro	Leu	Pro	Glu	Asp	His	Gln	Glu	Glu	Asp
				410					415					420
Asp	Asn	Leu	Gln	Arg	Gln	Gln	Gln	Gly	Gln	Ser				
				425					430					

<210> 123
 <211> 142
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2396046

<400>	123													
Met	Leu	Leu	Gly	Val	Arg	Ala	Val	Pro	Leu	Cys	Ser	Ala	Trp	Gln
1				5					10					15
Gly	Ala	Val	Gly	Leu	Val	Ser	Leu	Ala	Ile	Ser	Ile	Cys	Lys	His
				20					25					30
Gly	Leu	Ser	Ser	Gln	Gln	Asn	Leu	Val	Pro	Gly	Lys	Ser	Asn	Val
				35					40					45
Pro	Lys	Ala	Ser	Asp	Met	Pro	Arg	Cys	Pro	Pro	Val	Phe	Gln	Ser
				50					55					60
Pro	Asn	Leu	Thr	Pro	Phe	Pro	His	His	Thr	Lys	His	Thr	Ser	Gln
				65					70					75
Gly	Ser	His	Leu	Gly	Val	Pro	Pro	Pro	Ala	Pro	Met	Pro	Trp	Cys
				80					85					90
Pro	Gln	Ala	Gln	Gly	Phe	Gly	Leu	Ser	Cys	Gln	Ser	Leu	Asp	Ala
				95					100					105
Phe	Glu	Gly	Gln	Leu	Gly	Cys	Gly	Trp	Gly	Val	Gln	Ala	Ala	Gly
				110					115					120
Glu	Pro	Arg	Leu	Arg	Ile	Ile	His	Thr	Leu	Leu	Phe	Gly	Ala	Phe
				125					130					135
Val	Glu	Val	Ser	Arg	Ile	Pro								
				140										

<210> 124
 <211> 643
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2456587

<400>	124													
Met	Glu	Cys	Cys	Arg	Arg	Ala	Thr	Pro	Gly	Thr	Leu	Leu	Leu	Phe
1				5					10					15
Leu	Ala	Phe	Leu	Leu	Leu	Ser	Ser	Arg	Thr	Ala	Arg	Ser	Glu	Glu
				20					25					30
Asp	Arg	Asp	Gly	Leu	Trp	Asp	Ala	Trp	Gly	Pro	Trp	Ser	Glu	Cys

				35					40					45
Ser	Arg	Thr	Cys	Gly	Gly	Gly	Ala	Ser	Tyr	Ser	Leu	Arg	Arg	Cys
				50					55					60
Leu	Ser	Ser	Lys	Ser	Cys	Glu	Gly	Arg	Asn	Ile	Arg	Tyr	Arg	Thr
				65					70					75
Cys	Ser	Asn	Val	Asp	Cys	Pro	Pro	Glu	Ala	Gly	Asp	Phe	Arg	Ala
				80					85					90
Gln	Gln	Cys	Ser	Ala	His	Asn	Asp	Val	Lys	His	His	Gly	Gln	Phe
				95					100					105
Tyr	Glu	Trp	Leu	Pro	Val	Ser	Asn	Asp	Pro	Asp	Asn	Pro	Cys	Ser
				110					115					120
Leu	Lys	Cys	Gln	Ala	Lys	Gly	Thr	Thr	Leu	Val	Val	Glu	Leu	Ala
				125					130					135
Pro	Lys	Val	Leu	Asp	Gly	Thr	Arg	Cys	Tyr	Thr	Glu	Ser	Leu	Asp
				140					145					150
Met	Cys	Ile	Ser	Gly	Leu	Cys	Gln	Ile	Val	Gly	Cys	Asp	His	Gln
				155					160					165
Leu	Gly	Ser	Thr	Val	Lys	Glu	Asp	Asn	Cys	Gly	Val	Cys	Asn	Gly
				170					175					180
Asp	Gly	Ser	Thr	Cys	Arg	Leu	Val	Arg	Gly	Gln	Tyr	Lys	Ser	Gln
				185					190					195
Leu	Ser	Ala	Thr	Lys	Ser	Asp	Asp	Thr	Val	Val	Ala	Ile	Pro	Tyr
				200					205					210
Gly	Ser	Arg	His	Ile	Arg	Leu	Val	Leu	Lys	Gly	Pro	Asp	His	Leu
				215					220					225
Tyr	Leu	Glu	Thr	Lys	Thr	Leu	Gln	Gly	Thr	Lys	Gly	Glu	Asn	Ser
				230					235					240
Leu	Ser	Ser	Thr	Gly	Thr	Phe	Leu	Val	Asp	Asn	Ser	Ser	Val	Asp
				245					250					255
Phe	Gln	Lys	Phe	Pro	Asp	Lys	Glu	Ile	Leu	Arg	Met	Ala	Gly	Pro
				260					265					270
Leu	Thr	Ala	Asp	Phe	Ile	Val	Lys	Ile	Arg	Asn	Ser	Gly	Ser	Ala
				275					280					285
Asp	Ser	Thr	Val	Gln	Phe	Ile	Phe	Tyr	Gln	Pro	Ile	Ile	His	Arg
				290					295					300
Trp	Arg	Glu	Thr	Asp	Phe	Phe	Pro	Cys	Ser	Ala	Thr	Cys	Gly	Gly
				305					310					315
Gly	Tyr	Gln	Leu	Thr	Ser	Ala	Glu	Cys	Tyr	Asp	Leu	Arg	Ser	Asn
				320					325					330
Arg	Val	Val	Ala	Asp	Gln	Tyr	Cys	His	Tyr	Tyr	Pro	Glu	Asn	Ile
				335					340					345
Lys	Pro	Lys	Pro	Lys	Leu	Gln	Glu	Cys	Asn	Leu	Asp	Pro	Cys	Pro
				350					355					360
Ala	Ser	Asp	Gly	Tyr	Lys	Gln	Ile	Met	Pro	Tyr	Asp	Leu	Tyr	His
				365					370					375
Pro	Leu	Pro	Arg	Trp	Glu	Ala	Thr	Pro	Trp	Thr	Ala	Cys	Ser	Ser
				380					385					390
Ser	Cys	Gly	Gly	Gly	Ile	Gln	Ser	Arg	Ala	Val	Ser	Cys	Val	Glu
				395					400					405
Glu	Asp	Ile	Gln	Gly	His	Val	Thr	Ser	Val	Glu	Glu	Trp	Lys	Cys
				410					415					420
Met	Tyr	Thr	Pro	Lys	Met	Pro	Ile	Ala	Gln	Pro	Cys	Asn	Ile	Phe
				425					430					435
Asp	Cys	Pro	Lys	Trp	Leu	Ala	Gln	Glu	Trp	Ser	Pro	Cys	Thr	Val
				440					445					450
Thr	Cys	Gly	Gln	Gly	Leu	Arg	Tyr	Arg	Val	Val	Leu	Cys	Ile	Asp
				455					460					465
His	Arg	Gly	Met	His	Thr	Gly	Gly	Cys	Ser	Pro	Lys	Thr	Lys	Pro
				470					475					480
His	Ile	Lys	Glu	Glu	Cys	Ile	Val	Pro	Thr	Pro	Cys	Tyr	Lys	Pro
				485					490					495
Lys	Glu	Lys	Leu	Pro	Val	Glu	Ala	Lys	Leu	Pro	Trp	Phe	Lys	Gln
				500					505					510
Ala	Gln	Glu	Leu	Glu	Glu	Gly	Ala	Ala	Val	Ser	Glu	Glu	Pro	Ser
				515					520					525

Phe	Ile	Pro	Glu	Ala	Trp	Ser	Ala	Cys	Thr	Val	Thr	Cys	Gly	Val
				530					535					540
Gly	Thr	Gln	Val	Arg	Ile	Val	Arg	Cys	Gln	Val	Leu	Leu	Ser	Phe
				545					550					555
Ser	Gln	Ser	Val	Ala	Asp	Leu	Pro	Ile	Asp	Glu	Cys	Glu	Gly	Pro
				560					565					570
Lys	Pro	Ala	Ser	Gln	Arg	Ala	Cys	Tyr	Ala	Gly	Pro	Cys	Ser	Gly
				575					580					585
Glu	Ile	Pro	Glu	Phe	Asn	Pro	Asp	Glu	Thr	Asp	Gly	Leu	Phe	Gly
				590					595					600
Gly	Leu	Gln	Asp	Phe	Asp	Glu	Leu	Tyr	Asp	Trp	Glu	Tyr	Glu	Gly
				605					610					615
Phe	Thr	Lys	Cys	Ser	Glu	Ser	Cys	Gly	Gly	Gly	Val	Gln	Glu	Ala
				620					625					630
Val	Val	Ser	Cys	Leu	Asn	Lys	Gln	Thr	Arg	Glu	Pro	Cys		
				635					640					

<210> 125

<211> 568

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2484813

<400> 125

Met	Val	Leu	Leu	His	Trp	Cys	Leu	Leu	Trp	Leu	Leu	Phe	Pro	Leu
1				5					10					15
Ser	Ser	Arg	Thr	Gln	Lys	Leu	Pro	Thr	Arg	Asp	Glu	Glu	Leu	Phe
				20					25					30
Gln	Met	Gln	Ile	Arg	Asp	Lys	Ala	Phe	Phe	His	Asp	Ser	Ser	Val
				35					40					45
Ile	Pro	Asp	Gly	Ala	Glu	Ile	Ser	Ser	Tyr	Leu	Phe	Arg	Asp	Thr
				50					55					60
Pro	Lys	Arg	Tyr	Phe	Phe	Val	Val	Glu	Glu	Asp	Asn	Thr	Pro	Leu
				65					70					75
Ser	Val	Thr	Val	Thr	Pro	Cys	Asp	Ala	Pro	Leu	Glu	Trp	Lys	Leu
				80					85					90
Ser	Leu	Gln	Glu	Leu	Pro	Glu	Asp	Arg	Ser	Gly	Glu	Gly	Ser	Gly
				95					100					105
Asp	Leu	Glu	Pro	Leu	Glu	Gln	Gln	Lys	Gln	Gln	Ile	Ile	Asn	Glu
				110					115					120
Glu	Gly	Thr	Glu	Leu	Phe	Ser	Tyr	Lys	Gly	Asn	Asp	Val	Glu	Tyr
				125					130					135
Phe	Ile	Ser	Ser	Ser	Ser	Pro	Ser	Gly	Leu	Tyr	Gln	Leu	Asp	Leu
				140					145					150
Leu	Ser	Thr	Glu	Lys	Asp	Thr	His	Phe	Lys	Val	Tyr	Ala	Thr	Thr
				155					160					165
Thr	Pro	Glu	Ser	Asp	Gln	Pro	Tyr	Pro	Glu	Leu	Pro	Tyr	Asp	Pro
				170					175					180
Arg	Val	Asp	Val	Thr	Ser	Leu	Gly	Arg	Thr	Thr	Val	Thr	Leu	Ala
				185					190					195
Trp	Lys	Pro	Ser	Pro	Thr	Ala	Ser	Leu	Leu	Lys	Gln	Pro	Ile	Gln
				200					205					210
Tyr	Cys	Val	Val	Ile	Asn	Lys	Glu	His	Asn	Phe	Lys	Ser	Leu	Cys
				215					220					225
Ala	Val	Glu	Ala	Lys	Leu	Ser	Ala	Asp	Asp	Ala	Phe	Met	Met	Ala
				230					235					240
Pro	Lys	Pro	Gly	Leu	Asp	Phe	Ser	Pro	Phe	Asp	Phe	Ala	His	Phe
				245					250					255
Gly	Phe	Pro	Ser	Asp	Asn	Ser	Gly	Lys	Glu	Arg	Ser	Phe	Gln	Ala

Lys	Pro	Ser	Pro	260	Lys	Leu	Gly	Arg	His	265	Val	Tyr	Ser	Arg	Pro	Lys	270
Val	Asp	Ile	Gln	275	Lys	Ile	Cys	Ile	Gly	280	Asn	Lys	Asn	Ile	Phe	Thr	285
Val	Ser	Asp	Leu	290	Lys	Pro	Asp	Thr	Gln	295	Tyr	Tyr	Phe	Asp	Val	Phe	300
Val	Val	Asn	Ile	305	Asn	Ser	Asn	Met	Ser	310	Thr	Ala	Tyr	Val	Gly	Thr	315
Phe	Ala	Arg	Thr	320	Lys	Glu	Glu	Ala	Lys	325	Gln	Lys	Thr	Val	Glu	Leu	330
Lys	Asp	Gly	Lys	335	Ile	Thr	Asp	Val	Phe	340	Val	Lys	Arg	Lys	Gly	Ala	345
Lys	Phe	Leu	Arg	350	Phe	Ala	Pro	Val	Ser	355	Ser	His	Gln	Lys	Val	Thr	360
Phe	Phe	Ile	His	365	Ser	Cys	Leu	Asp	Ala	370	Val	Gln	Ile	Gln	Val	Arg	375
Arg	Asp	Gly	Lys	380	Leu	Leu	Leu	Ser	Gln	385	Asn	Val	Glu	Gly	Ile	Gln	390
Gln	Phe	Gln	Leu	395	Arg	Gly	Lys	Pro	Lys	400	Ala	Lys	Tyr	Leu	Val	Arg	405
Leu	Lys	Gly	Asn	410	Lys	Lys	Gly	Ala	Ser	415	Met	Leu	Lys	Ile	Leu	Ala	420
Thr	Thr	Arg	Pro	425	Thr	Lys	Gln	Ser	Phe	430	Pro	Ser	Leu	Pro	Glu	Asp	435
Thr	Arg	Ile	Lys	440	Ala	Phe	Asp	Lys	Leu	445	Arg	Thr	Cys	Ser	Ser	Ala	450
Thr	Val	Ala	Trp	455	Leu	Gly	Thr	Gln	Glu	460	Arg	Asn	Lys	Phe	Cys	Ile	465
Tyr	Lys	Lys	Glu	470	Val	Asp	Asp	Asn	Tyr	475	Asn	Glu	Asp	Gln	Lys	Lys	480
Arg	Glu	Gln	Asn	485	Gln	Cys	Leu	Gly	Pro	490	Asp	Ile	Arg	Lys	Lys	Ser	495
Glu	Lys	Val	Leu	500	Cys	Lys	Tyr	Phe	His	505	Ser	Gln	Asn	Leu	Gln	Lys	510
Ala	Val	Thr	Thr	515	Glu	Thr	Ile	Lys	Gly	520	Leu	Gln	Pro	Gly	Lys	Ser	525
Tyr	Leu	Leu	Asp	530	Val	Tyr	Val	Ile	Gly	535	His	Gly	Gly	His	Ser	Val	540
Lys	Tyr	Gln	Ser	545	Lys	Val	Val	Lys	Thr	550	Arg	Lys	Phe	Cys			555
				560						565							

<210> 126

<211> 125

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2493851

<400> 126

Met	Trp	Leu	Val	Gly	Pro	Ser	Phe	Leu	Ser	Cys	Pro	Leu	Gly	Lys
1				5					10					15
Val	Pro	Pro	Ala	Gly	Leu	Leu	Leu	Ala	Gly	Ser	Ser	Gly	Arg	Gly
				20					25					30
Ala	Arg	Arg	Pro	Ala	Thr	Pro	Arg	His	Trp	Ser	Ser	Thr	Thr	Pro
				35					40					45
Gly	Leu	Arg	Leu	Glu	Ala	Pro	Leu	Cys	Gln	Leu	Cys	Pro	Leu	Gly
				50					55					60
Gly	Thr	Arg	Gln	Asp	Cys	Gln	Pro	Leu	Ser	Trp	Gln	Val	Thr	Ser
				65					70					75

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Ala	Phe	Lys	Leu	Thr	Val	Pro	Ser	Pro	Phe	His	Ala	Pro	Pro	Arg	
				80					85					90	
Ser	Trp	Ser	Cys	Leu	Leu	Leu	Gly	Ile	Phe	Pro	Gly	Gln	Ala	Leu	
				95					100					105	
Ala	Leu	Glu	Pro	Trp	His	Leu	Phe	Leu	Gly	Ser	Met	Leu	Pro	Arg	
				110					115					120	
Cys	Asp	Gly	Glu	Cys											
				125											

<210> 127
<211> 196
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2495719

<400>	127														
Met	Ala	Ala	Leu	Lys	Ala	Leu	Val	Ser	Gly	Cys	Gly	Arg	Leu	Leu	
1				5					10					15	
Arg	Gly	Leu	Leu	Ala	Gly	Pro	Ala	Ala	Thr	Ser	Trp	Ser	Arg	Leu	
				20					25					30	
Pro	Ala	Arg	Gly	Phe	Arg	Glu	Val	Val	Glu	Thr	Gln	Glu	Gly	Lys	
				35					40					45	
Thr	Thr	Ile	Ile	Glu	Gly	Arg	Ile	Thr	Ala	Thr	Pro	Lys	Glu	Ser	
				50					55					60	
Pro	Asn	Pro	Pro	Asn	Pro	Ser	Gly	Gln	Cys	Pro	Ile	Cys	Arg	Trp	
				65					70					75	
Asn	Leu	Lys	His	Lys	Tyr	Asn	Tyr	Asp	Asp	Val	Leu	Leu	Leu	Ser	
				80					85					90	
Gln	Phe	Ile	Arg	Pro	His	Gly	Gly	Met	Leu	Pro	Arg	Lys	Ile	Thr	
				95					100					105	
Gly	Leu	Cys	Gln	Glu	Glu	His	Arg	Lys	Ile	Glu	Glu	Cys	Val	Lys	
				110					115					120	
Met	Ala	His	Arg	Ala	Gly	Leu	Leu	Pro	Asn	His	Arg	Pro	Arg	Leu	
				125					130					135	
Pro	Glu	Gly	Val	Val	Pro	Lys	Ser	Lys	Pro	Gln	Leu	Asn	Arg	Tyr	
				140					145					150	
Leu	Thr	Arg	Trp	Ala	Pro	Gly	Ser	Val	Lys	Pro	Ile	Tyr	Lys	Lys	
				155					160					165	
Gly	Pro	Arg	Trp	Asn	Arg	Val	Arg	Met	Pro	Val	Gly	Ser	Pro	Leu	
				170					175					180	
Leu	Arg	Asp	Asn	Val	Cys	Tyr	Ser	Arg	Thr	Pro	Trp	Lys	Leu	Tyr	
				185					190					195	
His															

<210> 128
<211> 214
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2614153

<400>	128														
Met	Val	Leu	Gly	Gly	Cys	Pro	Val	Ser	Tyr	Leu	Leu	Leu	Cys	Gly	
1				5					10					15	

Gln	Ala	Ala	Leu	Leu	Leu	Gly	Asn	Leu	Leu	Leu	Leu	His	Cys	Val	
			20						25					30	
Ser	Arg	Ser	His	Ser	Gln	Asn	Ala	Thr	Ala	Glu	Pro	Glu	Leu	Thr	
			35						40					45	
Ser	Ala	Gly	Ala	Ala	Gln	Pro	Glu	Gly	Pro	Gly	Gly	Ala	Ala	Ser	
			50						55					60	
Trp	Glu	Tyr	Gly	Asp	Pro	His	Ser	Pro	Val	Ile	Leu	Cys	Ser	Tyr	
			65						70					75	
Leu	Pro	Asp	Glu	Phe	Ile	Glu	Cys	Glu	Asp	Pro	Val	Asp	His	Val	
			80						85					90	
Gly	Asn	Ala	Thr	Ala	Ser	Gln	Glu	Leu	Gly	Tyr	Gly	Cys	Leu	Lys	
			95						100					105	
Phe	Gly	Gly	Gln	Ala	Tyr	Ser	Asp	Val	Glu	His	Thr	Ser	Val	Gln	
			110						115					120	
Cys	His	Ala	Leu	Asp	Gly	Ile	Glu	Cys	Ala	Ser	Pro	Arg	Thr	Phe	
			125						130					135	
Leu	Arg	Glu	Asn	Lys	Pro	Cys	Ile	Lys	Tyr	Thr	Gly	His	Tyr	Phe	
			140						145					150	
Ile	Thr	Thr	Leu	Leu	Tyr	Ser	Phe	Phe	Leu	Gly	Cys	Phe	Gly	Val	
			155						160					165	
Asp	Arg	Phe	Cys	Leu	Gly	His	Thr	Gly	Thr	Ala	Val	Gly	Lys	Leu	
			170						175					180	
Leu	Thr	Leu	Gly	Gly	Leu	Gly	Ile	Trp	Trp	Phe	Val	Asp	Leu	Ile	
			185						190					195	
Leu	Leu	Ile	Thr	Gly	Gly	Leu	Met	Pro	Ser	Asp	Gly	Ser	Asn	Trp	
			200						205					210	
Cys	Thr	Val	Tyr												

<210> 129
 <211> 88
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2655184

Met	Ala	Cys	Phe	Ser	Phe	Phe	Leu	Cys	Phe	Leu	Val	His	Leu	Leu	
1				5					10					15	
Ile	Lys	Met	Asn	Pro	Val	Thr	Glu	Ser	Pro	Ser	Cys	Leu	Phe	Ser	
			20						25					30	
Pro	Pro	Ser	Glu	Ser	Ala	Leu	Ala	Ser	Gln	Leu	Ala	Leu	Ser	Ala	
			35						40					45	
Ser	Cys	Asp	Gln	Arg	Ala	Pro	Phe	Ser	Leu	Ala	Gly	Val	Val	Ser	
			50						55					60	
His	Asp	Pro	Gly	Trp	Pro	Val	Val	Arg	Leu	His	Arg	Pro	Leu	Val	
			65						70					75	
Pro	Glu	His	Ala	Val	Phe	Ser	Gln	Pro	Ser	Leu	Gln	Pro			
			80						85						

<210> 130
 <211> 260
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2848362

<400> 130

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Met Pro Asp Pro Leu Phe Ser Ala Val Gln Gly Lys Asp Glu Ile
 1      5      10      15
Leu His Lys Ala Leu Cys Phe Cys Pro Trp Leu Gly Lys Gly Gly
 20      25      30
Met Glu Pro Leu Arg Leu Leu Ile Leu Leu Phe Val Thr Glu Leu
 35      40      45
Ser Gly Ala His Asn Thr Thr Val Phe Gln Gly Val Ala Gly Gln
 50      55      60
Ser Leu Gln Val Ser Cys Pro Tyr Asp Ser Met Lys His Trp Gly
 65      70      75
Arg Arg Lys Ala Trp Cys Arg Gln Leu Gly Glu Lys Gly Pro Cys
 80      85      90
Gln Arg Val Val Ser Thr His Asn Leu Trp Leu Leu Ser Phe Leu
 95      100     105
Arg Arg Trp Asn Gly Ser Thr Ala Ile Thr Asp Asp Thr Leu Gly
110     115     120
Gly Thr Leu Thr Ile Thr Leu Arg Asn Leu Gln Pro His Asp Ala
125     130     135
Gly Leu Tyr Gln Cys Gln Ser Leu His Gly Ser Glu Ala Asp Thr
140     145     150
Leu Arg Lys Val Leu Val Glu Val Leu Ala Asp Pro Leu Asp His
155     160     165
Arg Asp Ala Gly Asp Leu Trp Phe Pro Gly Glu Ser Glu Ser Phe
170     175     180
Glu Asp Ala His Val Glu His Ser Ile Ser Arg Ser Leu Leu Glu
185     190     195
Gly Glu Ile Pro Phe Pro Pro Thr Ser Ile Leu Leu Leu Leu Ala
200     205     210
Cys Ile Phe Leu Ile Lys Ile Leu Ala Ala Ser Ala Leu Trp Ala
215     220     225
Ala Ala Trp His Gly Gln Lys Pro Gly Thr His Pro Pro Ser Glu
230     235     240
Leu Asp Cys Gly His Asp Pro Gly Tyr Gln Leu Gln Thr Leu Pro
245     250     255
Gly Leu Arg Asp Thr
260

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<210> 131

<211> 295

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 131

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Met Gly Leu Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu
 1      5      10      15
Gly Cys Cys Ala Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala
 20      25      30
Cys Arg Arg Pro Glu Asp Ala Val Ala Pro Arg Lys Arg Ala Arg
 35      40      45
Arg Gln Arg Ala Arg Leu Gln Gly Ser Ala Thr Ala Ala Glu Ala
 50      55      60
Ser Leu Leu Arg Arg Thr His Leu Cys Ser Leu Ser Lys Ser Asp
 65      70      75
Thr Arg Leu His Glu Leu His Arg Gly Pro Arg Ser Ser Arg Ala
 80      85      90
Leu Arg Pro Ala Ser Met Asp Leu Leu Arg Pro His Trp Leu Glu

```

	95		100		105
Val Ser Arg Asp	Ile Thr Gly Pro Gln	Ala Ala Pro Ser Ala	Phe		
	110		115		120
Pro His Gln Glu	Leu Pro Arg Ala Leu	Pro Ala Ala Ala Ala	Thr		
	125		130		135
Ala Gly Cys Ala	Gly Leu Glu Ala Thr	Tyr Ser Asn Val Gly	Leu		
	140		145		150
Ala Ala Leu Pro	Gly Val Ser Leu Ala	Ala Ser Pro Val Val	Ala		
	155		160		165
Glu Tyr Ala Arg	Val Gln Lys Arg Lys	Gly Thr His Arg Ser	Pro		
	170		175		180
Gln Glu Pro Gln	Gln Gly Lys Thr Glu	Val Thr Pro Ala Ala	Gln		
	185		190		195
Val Asp Val Leu	Tyr Ser Arg Val Cys	Lys Pro Lys Arg Arg	Asp		
	200		205		210
Pro Gly Pro Thr	Thr Asp Pro Leu Asp	Pro Lys Gly Gln Gly	Ala		
	215		220		225
Ile Leu Ala Leu	Ala Gly Asp Leu Ala	Tyr Gln Thr Leu Pro	Leu		
	230		235		240
Arg Ala Leu Asp	Val Asp Ser Gly Pro	Leu Glu Asn Val Tyr	Glu		
	245		250		255
Ser Ile Arg Glu	Leu Gly Asp Pro Ala	Gly Arg Ser Ser Thr	Cys		
	260		265		270
Gly Ala Gly Thr	Pro Pro Ala Ser Ser	Cys Pro Ser Leu Gly	Arg		
	275		280		285
Gly Trp Arg Pro	Leu Pro Ala Ser Leu	Pro			
	290		295		

<210> 132

<211> 183

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2899137

<400> 132

Met Ala Ala Ser	Met Ala Arg Gly Gly	Val Ser Ala Arg Val	Leu	
1	5	10	15	
Leu Gln Ala Ala	Arg Gly Thr Trp Trp	Asn Arg Pro Gly Gly	Thr	
	20	25	30	
Ser Gly Ser Gly	Glu Gly Val Ala Leu	Gly Thr Thr Arg Lys	Phe	
	35	40	45	
Gln Ala Thr Gly	Ser Arg Pro Ala Gly	Glu Glu Asp Ala Gly	Gly	
	50	55	60	
Pro Glu Arg Pro	Gly Asp Val Val Asn	Val Val Phe Val Asp	Arg	
	65	70	75	
Ser Gly Gln Arg	Ile Pro Val Ser Gly	Arg Val Gly Asp Asn	Val	
	80	85	90	
Leu His Leu Ala	Gln Arg His Gly Val	Asp Leu Glu Gly Ala	Cys	
	95	100	105	
Glu Ala Ser Leu	Ala Cys Ser Thr Cys	His Val Tyr Val Ser	Glu	
	110	115	120	
Asp His Leu Asp	Leu Leu Pro Pro Pro	Glu Glu Arg Glu Asp	Asp	
	125	130	135	
Met Leu Asp Met	Ala Pro Leu Leu Gln	Glu Asn Ser Arg Leu	Gly	
	140	145	150	
Cys Gln Ile Val	Leu Thr Pro Glu Leu	Glu Gly Ala Glu Phe	Thr	
	155	160	165	
Leu Pro Lys Ile	Thr Arg Asn Phe Tyr	Val Asp Gly His Val	Pro	
	170	175	180	

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Lys Pro His

<210> 133
<211> 113
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2986229

<400> 133
Met Trp Arg Lys Pro Asp Val Leu Tyr Ser Val Ile Pro Val Thr
1 5 10 15
Ser Leu Phe Phe Leu Leu Ala Leu Asn Leu Pro Asp Val Phe Gly
20 25 30
Leu Val Val Leu Pro Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu
35 40 45
Leu Asp Val Arg Ser Val Leu Ser Leu Ser Ala Val Cys Arg Asp
50 55 60
Leu Phe Thr Ala Ser Asn Asp Pro Leu Leu Trp Arg Phe Leu Tyr
65 70 75
Leu Arg Asp Phe Arg Gly Asp Phe Arg Asn Asp Ile Phe Thr Arg
80 85 90
Lys Gly Ser Tyr Cys Leu Asp Tyr Ser Ala His Gln Lys Phe Leu
95 100 105
Val Val Gly Phe Phe Cys Cys Lys
110

<210> 134
<211> 160
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3222081

<400> 134
Met Gln Arg Val Ser Gly Leu Leu Ser Trp Thr Leu Ser Arg Val
1 5 10 15
Leu Trp Leu Ser Gly Leu Ser Glu Pro Gly Ala Ala Arg Gln Pro
20 25 30
Arg Ile Met Glu Glu Lys Ala Leu Glu Val Tyr Asp Leu Ile Arg
35 40 45
Thr Ile Arg Asp Pro Glu Lys Pro Asn Thr Leu Glu Glu Leu Glu
50 55 60
Val Val Ser Glu Ser Cys Val Glu Val Gln Glu Ile Asn Glu Glu
65 70 75
Glu Tyr Leu Val Ile Ile Arg Phe Thr Pro Thr Val Pro His Cys
80 85 90
Ser Leu Ala Thr Leu Ile Gly Leu Cys Leu Arg Val Lys Leu Gln
95 100 105
Arg Cys Leu Pro Phe Lys His Lys Leu Glu Ile Tyr Ile Ser Glu
110 115 120
Gly Thr His Ser Thr Glu Glu Asp Ile Asn Lys Gln Ile Asn Asp
125 130 135
Lys Glu Arg Val Ala Ala Ala Met Glu Asn Pro Asn Leu Arg Glu
140 145 150

Ile Val Glu Gln Cys Val Leu Glu Pro Asp
155 160

<210> 135
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 443531

<400> 135
attcctcaat tttccagtct cccttgagct aagtgtggcc ctatgactca cttccagcca 60
tgaaaacaag tgcaaactctg ttaggagtat gttctggggc aatttttgct ctctgatga 120
agacaaaggc tggtgatcca ctgaaccac ccagacacta tgtgggttct tgaatgtcct 180
acgtacattt tgatggatta cccaaggact atctgatgaa gaataataga gacatataaa 240
tacatatggg ctacatcttg gcaaaataaa gtaatcctga agtaaattct aaggatgttc 300
tgaattgaca cctcttaagc acaaccgaat gtcctgggtg ctttgccctc cactggggct 360
ttttggctct tgtttggtcc cagcggctgc tgcagctctg tctgaattca cacaggagca 420
acatgatggg gctcagccct cgccgaagtg tcttgctgaa gagttgggag atgcttggac 480
tattcagata gaagccaact ggaagtacag ggcagtcaac acaaaccaga gaggcaaaact 540
tttgccagct gagacatgga aaggggagaag aaatacattc ttctttctcc cctagagtga 600
ggaccaacct gagtcccagt cacctggaat cccctcagac gagcgtccct tgagatccag 660
cacatggcag ccagcgtgct gacgattcct tcctgcctac tggctccttc ttatttctgc 720
ctccgtggaa ctgtattctc taatcaatat tagcacatac atattgcccc agactgtacc 780
tcctgggaac ccaggataaa gcactatcta aacattttgt cttggaattg taataaactt 840
caaaagaaaa atacaaaaaa aaaaa 865

<210> 136
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221>
<222> 11, 12
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 632860

<400> 136
cggaccgtgg nnttggtaaa gcccatttcc gaggatttta gggagaccta ggtggggcag 60
acactagaag tgtccagcct ccaagcccaa gagatgtggc cggcagggct gggcaggtcc 120
ttgctggctc agcctgctct ttgctccttc atgggacccc agtggatcct gcagttctgc 180
tcttggtctg aaccacgcca gcttcgctgg agctggactg agccgccttt tacattattg 240
gactctctcg ggttgagagc tgcccaggac tcctgcagtt tcaccacctt tgttcctttg 300
actcttgact catcattcat gaccgttaac gtggttccat ttgtatggac ttcttctttc 360
ttcagagcat ttcagtatcc tgttacctcc ccatgcagaa caaagaatac tccacttttg 420
atagatgggg ttaccaggat tcaggctaca tggcctgagg caaggtcaca acatgagtga 480
cagaatgtgt cctggaagcc aggcattcctc tgggggtgat ttggggcgct caacaaggct 540
tgatcgagct ttgggggtag atctagctat tccatgggga ttcttttcag aattgctgtt 600
ttcggttaact aattccatga ccagggtccat ggcattggat gacattgcgc tacactgttg 660
ctcaccgagg tcaccgctcc tcacaggttg gatggcaagc atgttg 706

<210> 137
<211> 801
<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 670010

<400> 137

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ccatcatgtc cctccccccc tcctttgact gcggggcgtt cagggtgcaga gtctcagttg 120
cccgggagca cctccccctc cgaggcagtc tgctcagagg gcctcggccc agaattccag 180
ttctggtttc atgccagcct gtaaaaggcc atggaacttt gggatgaatca ccgatgccat 240
ttaagagggt tttctgccag gatggaaatg ttaggtcgtt ctgtgtctgc gctgttcatt 300
tcagtagcca ccagccacct gtggccgttg agtgcttgaa atgaggaact gagaaaatta 360
atttctcatg tattttttctc atttatttat taatttttaa ctgatagttg tacatatttg 420
ggggtacatg tgatatttgg atacatgtat acaatatata atgatcaaat cagggttaact 480
gggatatcca tcacatcaaa catttatttt ttattctttt tagacagagt ctactctgt 540
caccaggct ggagtgcagt ggtgccatct cagcttactg caacctctgc ctgccagggt 600
caagcgattc tcatgcctcc acctcccaag tagctgggac tacaggcatg caccacaatg 660
cccaactaat ttttgatatt ttagtagaga cgggggtttg ccatgttgcc caggctggcc 720
ttgaactcct ggctcaaac aatccacttg cctcggcctc ccaaagtgtt atgattacag 780
gcgtgagcca ccgtgcctgg g 801

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<210> 138

<211> 664

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 505, 518, 527, 540, 565, 566

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 726498

<400> 138

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cggacgcgtg ggctggaagg agctctggag tcggaatcag gatgtggagg ctgagaagaa 60
atctggctct accacctggg aaactggcat ggttgatttt gtcagtgttc agtcagggga 120
gcagagccat gatgagtctt acggaaataa ggttaaaaca tatgcttgaa atttggcatg 180
gcagacaagc cagagcttgt gaaaatctaa gaaaccaaac acgtgtagcc accaaagtgg 240
aaccacaaaa gggaagatct acagaaattt gttgccttgc ttagttcca ttaaagtagg 300
ttgtgcagtc aagcatcttg ttgtgggtct ggagctgttg ccagcatcag gaagacaagc 360
tgggtgctaa gtgaagaaat acacaatgta gaaactgtca ggcattctctg cccctggact 420
tcaccatctc tgatgatgtt ctgagagtca gggcactgct tcacttttctg cttccaaatc 480
tcacacaaaa ttctctgtta ggcancccca gcttagancc ttacaantga gggggatcan 540
ggaaatggag taccagata ccanngtga tatactttta tgccctcagt ttcttatctt 600
tcagtgggga taatatcctc ggatacaaaa gagtgtacat atataccctg tatttggtaa 660
acta 664

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<210> 139

<211> 1241

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 795064

<400> 139

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ccaggcaata tctcaggata tggaagtttc tgggtttatt taccctcag tgcccagagt 60
taaagtttca gaagagactt gtgcacataa gggcttcac tcaagtgtat tgcagtaatg 120
gctgaatcgg ggttaacatc ccttcaggc acagcgagtt ggttctgctt ttgacctgta 180
agccaaagaa aagccacatc taaaaagcta ctactaaaag ccagaaagaa aagtggattt 240

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```

gaactcagtg tcacagactc ttctgagtggt tttaggggtca cagctagtggt aagaggcatg 300
aagaatagac atgcaaaaagg gaacgggtgac accagagacc cctgttttgg ctgacagacc 360
atatgtccca ccagctgggg aatctgacaa gaggacatag gtggcactct ttttttaaag 420
ctatttattg tatctatttt taaataaaat tgccatcct cattcagctc ttagaacaaa 480
agcaaaaaaac cctgtaaatc aggagatata agcacatctg caccagaat aggcccatat 540
gatagggcaa ccctgagctt aaacaatgac atcttcaagg gtagaactaa tctgaaaccc 600
ccttccagcc tctggaagac actggcctgc atcagttaga gtcagagcaa gtgtcacttc 660
acagggaaaa gaaggattat atagacttcc tatccctaga gtttataaat gtcaactata 720
taaaaaaagc tcaaaacagt gttaaaggaa tgaacagtag aattttaata ggctgtccaa 780
agaagccagg tctgctgtgg gcaagtatag cctaacccta gtcttgtaaa ataagccaga 840
aagggttact gagccacctt aagctagtac ctatatagta ggcaaaaagt acagaaatag 900
atgcaataag tgtggtgagt ctttgagcct acgagtcagt ccaccagcca taagttgacc 960
tatcacttga gaacctctc agcaaagatg ccagaaaaca ttcaatcaag ttggcaaatg 1020
acacagggag ctggccctct gacctcttc ctggcaaac tggactggaa gggccatttg 1080
cagcactgtc ctggagctaa tacactgttt cactgcctct gccatataat gatgccagca 1140
ctagccagct ggtgggtatt tggagggaat ctgcatggg attgccaat aaggggcagg 1200
tacacatacc tggcaaatg atgatgatgt gaattgtttc c 1241

```

<210> 140

<211> 750

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 570, 641

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 924925

<400> 140

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tggagtgggg agaagagcat acgccaggag cctcctgcct caaagtgtc ccctaagtct 60
tcttctcct gtgctgacct cagggtgggt tgacccttcc ctcggtgtgg gggatgtggc 120
cctctcaggt gccctactt gctttctgct tccttctggt gaagtccacc tccaacatta 180
acctgccac cccaccccg tcatccctgg agaattccag ctttgtcgta tctcagagag 240
ggaatctaata tgtttttggg gggcaaaaga aagcaacgtt taggtatcac ttctacttgg 300
acgcgatgcc tttttatagc caaatttctg tgtatttcgt aaatggattt cgcgttaatg 360
gatatttatg taataactag acttctcaga ttattgtgag aagggtcagg ttggaagggg 420
tgtaggaaga cgggtgagg gtagtttttt tctgtcctag tttttttttt ttttattgtc 480
atctctgagg tggactttgt cacctgtggt tattggggcc aagtggactc agctccgggg 540
gagaaggctt ctctgccatt tcggtccaan ggtgactgac acaggcgtac tttttgggac 600
tgtggaagca tcatagcca gcactgactc cagaccagca nttcgggcta gaggaagatg 660
ggacctttca ggatggaaat accttggact ttcttttggt ccctcgaaa cttgggcctt 720
ctctaccgac ttgccagat ttcatttcac 750

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<210> 141

<211> 1235

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 962390

<400> 141

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ccctcaggca gccctccac aggaccctc tcctgctggt acagctctgc tgggtctcccc 60
gtcccctgga gaagaacaag gccatgggtc ggcccctgct gctgcccctg ctgctcctgc 120
tgcagcggcc agcatttctg cagcctgggt gctccacagg atctggtcca agctaccttt 180
atggggctcac tcaacaaaa cacctctcag cctccatggg tggctctgtg gaaatccct 240
tctccttcta ttacccttg gagttagcca tagttcccaa cgtgagaata tcctggagac 300
ggggccactt ccacgggcag tccttctaca gcacaaggcc gccttccatt cacaaggatt 360
atgtgaaccg gctctttctg aactggacag agggtcagga gagcggcttc ctcaggatct 420

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```

caaacctgcg gaaggaggac cagtctgtgt atttctgccc agtcgagctg gacacccgga 480
gatcaggagg gcagcagttg cagtccatca aggggaccaa actcaccatc acccaggctg 540
tcacaaccac caccacctgg agggcccagca gcacaaccac catagccggc ctcagggtca 600
cagaaagcaa agggcactca gaatcatggc acctaagtct ggacactgcc atcagggttg 660
cattggctgt cgctgtgctc aaaactgtca ttttgggact gctgtgcctc ctcctcctgt 720
ggtggaggag aaggaaagggt agcaggggcg caagcagtga cttctgacca acagagtgtg 780
gggagaaggg atgtgtatta gccccggagg acgtgatgtg agacccgctt gtgagtcctc 840
cacactcggt ccccatgtgg aagatacatg gagagcacc tgaggacctt taaaaggcaa 900
agccgcaagg cagaaggagg ctgggtccct gaatcaccga ctggaggaga gttacctaca 960
agagccttca tccaggagca tccacactgc aatgatatag gaatgaggtc tgaactccac 1020
tgaattaaac cactggcatt tgggggctgt ttattatagc agtgcaaaga gttcctttat 1080
cctccccaag gatggaaaaa tacaatttat tttgcttacc atacaccctt tttctcctcg 1140
tccacatttt ccaatctgta tgggtggctgt cttctatggc agaaggtttt ggggaataaa 1200
tagcgtgaaa tgctgctgac acttaaaaaa aaaaaa 1235

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<210> 142
<211> 1834
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<223> Incyte Clone No: 1259405

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<400> 142
gacggaagtg cgggcccggagg atccccagcc ggggtcccaag cctgtgcctg tgccctgagcc 60
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ctgggccccg agcgatggcg accctgtggg gaggccttct tcggcttggc tccttgctca 180
gcctgtcgtg cctggcgctt tccgtgctgc tgctggcgca gctgtcagac gccgccaaga 240
atttcgagga tgtcagatgt aaatgtatct gccctcccta taaagaaaat tctgggcata 300
tttataataa gaacatatct cagaaagatt gtgattgcct tcatgtttgt gagcccatgc 360
ctgtgcgggg gcctgatgta gaagcatact gtctacgctg tgaatgcaaa tatgaagaa 420
gaagctctgt cacaatcaag gttaccatta taatttatct ctccattttg ggccttctac 480
ttctgtacat ggtatatctt actctgggtg agcccatact gaagaggcgc ctctttggac 540
atgcacagtt gatacagagt gatgatgata ttggggatca ccagcctttt gcaaatgcac 600
acgatgtgct agcccgcctc cgcagtcgag ccaacgtgct gaacaaggta gaatatgcac 660
agcagcgctg gaagcttcaa gtccaagagc agcgaaagtc tgtctttgac cggcatgttg 720
tcctcagcta attgggaatt gaattcaagg tgactagaaa gaaacaggca gacaactgga 780
aagaactgac tgggttttgc tgggtttcat ttaataacct tgttgatttc accaactggt 840
gctggaagat tcaaaaactg aagcaaaaaa ttgcttgatt tttttttctt gttaacgtaa 900
taatagagac attttttaaa gcacacagct caaagtcagc caataagtct tttcctatct 960
gtgactttta ctaataaaaa taaatctgcc tgtaaattat cttgaagtcc tttacctgga 1020
acaagcactc tctttttcac cacatagttt taacttgact ttcaagataa ttttcagggt 1080
ttttgtttgt gttgtttttt gtttgtttgt tttggtggga gaggggaggg atgcctggga 1140
agtgtttaac aacttttttc aagtcacttt actaaacaaa cttttgtaaa tagaccttac 1200
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<210> 143
<211> 1722
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature

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<223> Incyte Clone No: 1297384

<400> 143

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<210> 144

<211> 1741

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1299627

<400> 144

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gtatttatca	tgggggtcat	tgctgggatt	gccatatgca	tctgcatgtg	catgaagaac	300
cacagggcga	cccgcgtggg	catcctcagg	acgactcaca	tcaacaccgt	ctcctcctat	360
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<210> 145
 <211> 997
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> 973
 <223> a or g or c or t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1306026

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cgtctgtgcc ggcttatccg agcataactg tgacacctga tgaagagcaa aacttgaatc 240
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cagaggaacc ttatattgaa aatgaagagc cagagccaga gccggagcca gctgcaaaac 600
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<210> 146
 <211> 981
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1316219

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<400> 146
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tctgttcatt ttcattttta aagaatatcg ataactgat gaccccagaa ggagttggcc 180
ttaccactgc cttacgtgtt ctctgtaatg ttgcatgccc accacctcct gttgaagggtc 240
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tactcttct taaaactatg ttaacggaac tcctgagagg tggatccttt gagtttaagg 480
acatgcgtgt tccttcagcg cttgttactt tacatatgct cctgtgctct atccccctct 540
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<210> 147
 <211> 526
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1329031

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<210> 148
 <211> 2090
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1483050

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<210> 149

<211> 2403

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1514160

<400> 149

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aaa						2403

<210> 150
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1603403

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 aaaaaaaaaa a 431

<210> 151
 <211> 2109
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1652303

<400> 151
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aaaaaaaaa

2109

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 <213> Homo sapiens

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<210> 153
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<210> 154
 <211> 913
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1738735

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cccatgcccc gggacttcct ccaccctcac caggacattc tttccatctc ttgtctcctg 180
tgtgcaagtc cttttctcct ggattccatg tcttgaatgt ttcttaattt acttcctcat 240
tttgccagag gatgtcctcc agttgttttc tgggaatgct aatatgcaag tgaaccagtg 300
acctgcagtt ctgcccacac aggggttaata accaatcaga ttctctcttt tcaagatggg 360
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 <212> DNA
 <213> Homo sapiens

<220>
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ttgatgaaa atgcagaggc ccttcctctc tgtgccgtgc ttgctcctct tacctgcccg 180
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aaaggtacct ggtaagaatg tttgaaagat cttccatttc taggaacccc agtctgctt 420
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<210> 156
 <211> 545
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1817722

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 ggaatagggg taccattttat gggaagtttg gcagaatttt ttgacatcgc ttcccaaatt 180
 cagatggttat actttactttt gagtctatgc atgggttgga caatagtcag aatgaagaag 240
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 agctaccatt cacaccacaa cttagcaggg atcctcctaa ttgttctaag aatttgccta 420
 gcattgtcat taggctgtgg actctatcag atcatcacag tggagagaag tacactcaaa 480
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 ttatc 545

<210> 157
 <211> 1746
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 1831290

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 <213> Homo sapiens

<220>
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<210> 159
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 <213> Homo sapiens

<220>
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 <222> 440
 <223> a or g or c or t, unknown, or other

<220>
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 <223> Incyte Clone No: 1841607

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 <213> Homo sapiens

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 <223> Incyte Clone No: 1852391

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tc 542

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 <211> 1066
 <212> DNA
 <213> Homo sapiens

<220>
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<210> 162
 <211> 1173
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 1855755

<400> 162

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<210> 163

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1861434

<400> 163

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<210> 164

<211> 806

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1872334

<400> 164

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ggtgctgcag gcacctgtgg gaagctccat tctggtgcag tgccactaca ggctccagga 180

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tgtcaaagct	cagaaggtgt	ggtgccgggt	cttgccggag	gggtgccagc	ccttgggtgtc	240
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gggctgtctg	caggtggaaa	tggttaccct	gcaggaagag	gatgctggcg	agtatggctg	360
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<210> 165
 <211> 1923
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1877230

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cagatcctat	gagcgattgg	cacttctggt	tgatactgtt	ggacccagac	tgagtggctc	420
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catagaatca	acatatggta	gggattacag	tgggggcatt	tctttatatc	acctcttaaa	1860
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aaa						1923

<210> 166
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 1877885

<400> 166

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<210> 167

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1889269

<400> 167

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aaaaaaaaa a 1631

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<210> 168

<211> 1548

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1890243

<400> 168

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<210> 169
 <211> 616
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1900433

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ctcgcgccac caccac 616

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<210> 170
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1909441

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<400> 170
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aatttctaca atttaatagt tttgaattta ttataatggc taaaaagaag ctaactgaaa 240
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gagaatgtat atttgagaa gtcaagtcac gtttgtagtt tttatttaaa atgaatgtta 1920
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<210> 171
 <211> 1492
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932226

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ctggccagct ggggcctgct tcggggtgaa cggcccaccc gaatcccccg gctactacca 960
cgcagccagc gccagctagg gcccctgcc tcccgcagc cactgccagg gactctagcc 1020
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gcccttccag cccaaatcta gagcattgag cactttatct cccacgactc agtgaagttt 1140
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tcaccctcat tgactcaggc ctggggccag ggggtgtgga ggggtgggaa agtcatgttt 1380
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caaaaaaaga aaaagacaaa cacaaataaa atatctgagc ggaaaaaaaa aa 1492

<210> 172
 <211> 1613
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1932647

<400> 172
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 catcctccca ctgccaggag tgcaggcgct gctctgccag tttgggacag ttcagcatgt 120
 gtggaagggtg tccgacctac cccggcaatg gacccttaag aacaccagct gcgacagcgg 180
 cttgggggtgc caggacacgt tgatgtcat tgagagcgga cccaagtga gcctgggtgct 240
 ctccaagggc tgacggagg ccaaggacca ggagccccgc gtcactgagc accggatggg 300
 ccccggcctc tccctgatct cctacacctt cgtgtgccgc caggaggact tctgcaacaa 360
 cctcggttaac tccctccgc tttggggccc acagcccca gcagaccag gatccttgag 420
 gtgcccagtc tgcttgtcta tgggaaggctg tctggagggg acaacagaag agatctgccc 480
 caaggggacc acacactgtt atgatggcct cctcaggctc aggggaggag gcatcttctc 540
 caatctgaga gtccagggat gcatgcccc gccagggtgc aacctgctca atgggacaca 600
 ggaaattggg cccgtgggta tgactgagaa ctgcaatagg aaagattttc tgacctgtca 660
 tcgggggacc accattatga cacacggaaa cttggctcaa gaaccactg attggaccac 720
 atcgaatacc gagatgtgcg aggtggggca ggtgtgtcag gagacgctgc tgctcataga 780
 tgtaggactc acatcaaccc tgggtggggac aaaaggctgc agcactgttg gggctcaaaa 840
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 cctcctcaa gctgccccctg tcccaggaga ccggcagtggt cctacctgtg tgcagccccct 1020
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 gcgtgagaag cgtgatgtgc agcctcctgc ctctcagcat gagggagggtg gggctgaggg 1260
 cctggagtct ctacttggg ggggtgggct ggcaactggc ccagcgctgt ggtggggagt 1320
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 cactcaacct cctctgacc tcataacct atggccttgg acaccagatt ctttcccat 1440
 ctgtccatga atcatcttcc ccacacacaa tcattcatat ctattcacct aacagcaaca 1500
 ctggggagag cctggagcat ccggacttgc cctatgggag aggggacgct ggaggagtgg 1560
 ctgcatgtat ctgataatac agaccctgtc ctttctccca aaaaaaaaaa aaa 1613

<210> 173
 <211> 1622
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2124245

<400> 173
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 gcgctacccg cctccggctg gctgacgagc ggcgcccccg agccgcgccc gctgtccgga 180
 gccccacagg acggcatcag aattaatgta actacactga aagatgatgg ggacatatct 240
 aaacagcagg ttgttcttaa cataacctat gagagtggac aggtgtatgt aaatgactta 300
 cctgtaaata gtggtgtaac ccgaataagc tgtcagactt tgatagtga gaatgaaaat 360
 cttgaaaatt tggaggaaaa agaataatgtt ggaattgtca gtgtaaggat tttagttcat 420
 gactggccta cctcatctgg ttccagtttg caactaattg tcattcaaga agaggtagta 480
 gagattgatg gaaaacaagt tcagcaaaaag gatgtcactg aaattgatat tttagttaag 540
 aaccggggag tactcagaca ttcaactat accctccctt tggaagaaag catgctctac 600
 tctatttctc gagacagtga cttttatct acccttccca acctctccaa aaaagaaagt 660
 gttagttcac tgcaaaccac tagccagtat cttatcagga atgtggaaac cactgtagat 720


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aacgttttcc  cagtattctt  tcagtttttg  aacatcatgg  tggttggaat  tacaggagca  900
gctgtggtaa  taacctatct  aaagggtgtt  ttcccagttt  ctgaatacaa  aggaattctt  960
cagtttgata  aagtggacgt  catacctgtg  acagctatca  acttatatcc  agatgggtcca  1020
gagaaaagag  ctgaaaacct  tgaagataaa  acatgtattt  aaaacgccat  ctcatatcat  1080
ggactccgaa  gtagcctgtt  gcctccaaat  ttgccacttg  aatataattt  tctttaaatc  1140
gttaagaatc  agttttatata  ctagagaaaat  tgctaaactc  taagactgcc  tgaaaattga  1200
cctttacagt  gccaaagttaa  agtttacctt  attctcggcc  ggggtgcagt  gctcatgcct  1260
gtaatccag  gactttggga  ggccaatgcg  ggcggtcac  gaggtcagat  caagaccatc  1320
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cgggtgcacgc  ctgtagtccc  agctacttgg  gaggtgagg  caggagaatt  gcttgaaccc  1440
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gcgagactct  gtttcaaaaa  aaaaaaagtt  gacctattc  tctaaaagg  ctggctattc  1560
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tg  1622

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<210> 174
<211> 1320
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte Clone No: 2132626

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ggcatgttgg  agaggctgcc  cctgtgtggg  aaggctttcg  cagacatgat  gggcaagggtg  180
gacgtctgga  agtggtgcaa  cctgtccgag  ttcctcgtgt  actatgagag  ttccaccaac  240
tgcaccgaga  tggaggccaa  tgcgtgggc  tgctactggc  ccaacccct  ggcccagggc  300
ttcatcaccc  gcatccacag  gcagttcttc  tccaactgca  ccgtggacag  ggtccacttg  360
gaggaccccc  cagacgaggt  tctcatcccc  ctgatcgtaa  taccgctcgt  tctgactgtc  420
gccatggctg  gcctgggtgg  gtggcgagc  aaacgcaccg  acacgctgct  gtgaggggtcc  480
cggtgagatg  gagtgggtca  cacctggcaa  gctggaagaa  agttccctgg  ggatggggaga  540
gcgggtgggt  gctgccaatc  tccagctact  gtggccacac  cccacctggt  catgggcaga  600
cccctccctt  cctgggctga  cctgctccct  cgaggccagc  ctgctccctg  gctgaggctc  660
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cagagcttgt  gtgctgggca  cagaaatcac  ctgctgcac  ctgtgctccg  caggctgggc  780
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ctcttggaag  acgttccgtg  ctgtgacctc  cgagccctcc  tgggtgggaag  acagctggaa  1020
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acaggggctc  ctctgtgggt  gaggggccct  ctggaatggc  atcccatgag  cttgtggcct  1260
ctatctgcta  ccactctgtg  tttatctgag  taaagttacc  ttacttctgg  aaaaaaaaaa  1320

```

```

<210> 175
<211> 778
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2280639

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<400> 175
gcgctccctc  gctggcggac  ggctgggcgg  cgggcccggc  ccggggccgc  ttggaatggc  60
gcctcctccg  ccttcgcccc  aactgcttct  cctggcagcc  ctgcgcaggc  tcctgggtcc  120
cagcgagggtg  atggctggac  cggcggaggga  ggcgggagcc  cattgtcccg  agagcctgtg  180

```

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gcctctgcct cgcaggtgt caccaagagt gacctacaca cgagtgagcc cagggcaggc 240
tgaggatgtc accttcctct accacccctg tgcccatccc tggctgaagc tccagcttgc 300
cctcctggcc tatgcttgta tggctaaccc ttccctcacc cctgacttca gcctcacgca 360
ggatcgcccc ctggtgctga ctgcatgggg gctggcgctg gagatggcct gggtagagcc 420
agcctgggct gccactggc tgatgaggag gcggaggagg aagcagagga agaagaagcc 480
atggatctac tgtgaaagcc tttcagggcc tgctccctcc gagccaactc ccggtagagg 540
gaggctgtgc cgaagagggg gtgtgcaggc cctggctctg gcctttgtct tgcggactgg 600
cggccccctg gcacagaggt gacatctcaa gggcccaggc agccctcttc tagtggtgcc 660
aagacgcgga tgctgcgggc tgcacttggg tcccagccca ctcgctcagc cctgaggttt 720
ccctctgctt cccagtttag cttgatggcc aagcattcca tggcgggcta tcctgggt 778

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<210> 176

<211> 1477

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2292356

<400> 176

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gttgacaaac cctggtcatt gtgtgatggg gggaggcctg ggcctggccc gccctctgct 180
cagggttca gacccctgcc cagccccagt atctgaagga accacagtgg agccaagccc 240
gcgatgtgga gaactcaggc ttcaggagac cctggccctg ctctggcgcg ctccgggtgg 300
ctttcagctc tctctgcaac ctgagctggg ggaggagcca ggcctcatgc ccagggctgg 360
gagtggggag cctggtgtgc acgcgtgccc aggctgcac gtggaccgac caggggaggg 420
gcccagagct ctggctgggt caccgcgacc ccgcccccat ctctccaga gccaccccag 480
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ctctccttct gggggccccc gttgcagcct tcagcccaga gcctggcctg gagccctgga 600
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aggcagccca ctttctgttt ggggagccca ccctgagaaa aaggaagagc ccggcccagg 780
tcatgttcca gtgtctgtgg aagagctgcg ggaaggtgct gagcacggcg tcggcgatgc 840
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tgtcggcgcc cagggggaat attaatagct cccggggggg gggaataact ttgaaggcag 1260
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aaaaaacaca gtgggagaca tagagttgat tctccctggg tgagaaaaat ttgggtaaaag 1380
cggttcaag caatttcgca gagcaagatt tgcgggcgcc ggaaccata aaggtggtaa 1440
aaccctgggg ggtccccaag agggggaagc tcaacc 1477

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<210> 177

<211> 682

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2349310

<400> 177

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ctaaagagat ccagtactga tgacgtgtt cttccatctt tactccctgg aaactaacca 120
cgttgtcttc ttctcttcac caccaccag gagctcagag atctaagctg ctttccatct 180
tttctcccag cccaggaca ctgactctgt acaggatggg gccgtcctct tgccctcttc 240
tcattccta ccccttctc cagctgatca acctggggag tactcagtgt tccttagact 300
ccgttatgga taagaagatc aaggatgttc tcaacagctc agagtacagt ccctctccta 360
taagcaagaa gctctcgtgt gctagtgtca aaagccaagg cagaccgtcc tcctgccctg 420

```

```

ctgggatggc tgtcactggc tgtgcttgtg gctatggctg tggttcgtgg gatgttcagc 480
tggaaccac ctgccactgc cagtgcagtg tgggtggactg gaccactgcc cgctgctgcc 540
acctgacctg acagggagga ggctgagaac tcagttttgt gaccatgaca gtaatgaaac 600
cagggtccca accaagaaat ctaactcaaa cgtcccactt catttggtcc attcctgatt 660
cttgggtaat aaagacaaac tt                                     682

```

<210> 178

<211> 1508

<212> DNA

<213> Homo sapiens

<220>

<221>

<222> 11, 139

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2373227

<400> 178

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cgccgcagcc gaacgaccga ggcgagcgag tcagtgcgag agaaagcgga agagcgccca 120
atacgcaaac cgcttctcnc cgcgcgttgg ccgattcatt aatcagcttg cacgacaggt 180
ttcccactgc gaaagcgggc agtgagcgca acgcaattaa tgtgagttag ctcaactcccc 240
accccttccc ccgcgggcct cgggttcaaac gaccgcgtgg gtctacagcg gaagggaggg 300
agcgaaggta ggaggcaggg cttgcctcac tggccaccct cccaaccca agagcccagc 360
cccatggtcc ccgcgcgcgg cgcgctgctg tgggtcctgc tgctgaatct ggggtccccg 420
gcggcggggg cccaaggcct gaccagact ccgaccgaaa tgcagcgggt cagtttacgc 480
tttggggggc ccatgaccgc cagctaccgc agcaccgccc ggactggtct tccccggaag 540
acaaggataa tcctagagga cgagaatgat gccatggccg acgccgaccg cctggctgga 600
ccagcggctg ccgagctctt ggccgcccag gtgtccaccg gctttagccg gtcgtccgcc 660
attaacgagg aggatgggtc ttcagaagag ggggttgtga ttaatgccg aaaggatagc 720
accagcagag agcttcccag tgcgactccc aatacagcgg ggagttccag cacgaggttt 780
atagccaata gtcaggagcc tgaaatcagg ctgacttcaa gcctgccgcg ctcccccg 840
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cagctccgca cggagcacia gccttgacc tatcaacaat gtccctgcaa ccgacttcg 1140
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gaggtatatt ggaatagcct ctcttcagtg ttcacagaga tgcaaccaat agacagaaac 1380
cagaggtaat ggccacttca tccacatgag gagatgtcag tatctcaacc tctcttggcc 1440
tttcaatcct agcaccctc agatattttt agtacagaaa aacaaaactg gaaaacaaaa 1500
aaaaaaaaa                                     1508

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<210> 179

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2457682

<400> 179

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gagcagaact gctctggggg cgctctgaat cacttccgct cccgccagcc aatctacatg 180
agtctagcag gctggacctg tcgggacgac tgtaagtatg agtgtatgtg ggtcaccgtt 240
gggctctacc tccaggaagg tcacaaagtg cctcagttcc atggcaagtg gcccttctcc 300

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cggttcctgt	tctttcaaga	gccggcatcg	gccgtggcct	cgttttctcaa	tggcctggcc	360
agcctgggtga	tgctctgccg	ctaccgcacc	ttcgtgccag	cctcctcccc	catgtaccac	420
acctgtgtgg	ccttcgcctg	gctttctgga	agatgacagc	ctgtagctgc	tgaaggaatc	480
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ctgccccgc	cctgctgg					558

<210> 180
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2480426

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ggtccggagt	agcgagcgcc	ccgaaggagg	ccatcgggga	gccgggaggg	gggactgcga	180
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cccaccgggc	tagccgggga	gtgctcggtg	cctccgcgat	ccgccttcag	cgccaagcgc	420
tccgagatcc	gggtgcctcc	gctgtctgac	gcacccttgc	cttcgaccgc	gtgctggtga	480
acgagcaagg	acattacgac	gc				502

<210> 181
 <211> 1659
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2503743

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agggattcca	gggctcctct	tccttctctt	ctttctgctc	tgtgctgttg	ggcaagtggg	180
cccttacagt	gccccctgga	aacccacttg	gcctgcatac	cgccctccctg	tcgtcttgcc	240
ccagtctacc	ctcaatttag	ccaagccaga	ctttggagcc	gaagccaaat	tagaagtatc	300
ttcttcagt	ggaccccagt	gtcataaggg	aactccactg	cccacttacg	aagaggccaa	360
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catctacatc	ctcagcagta	gtggagatgg	ggcccaacac	cgagactcag	ggctctcagg	480
aaagtctcga	aggaagcggc	agatttatgg	ctatgacagc	aggttcagca	tttttgggaa	540
ggacttcctg	ctcaactacc	ctttctcaac	atcagtgaag	ttatccacgg	gctgcaccgg	600
cacctgggtg	gcagagaagc	atgtcctcac	agctgcccac	tgcatcacag	atggaaaaac	660
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tggtcgaggg	gccaacgact	ccacttcagc	catgcccag	cagatgaaat	ttcagtggtg	780
ccgggtgaaa	cgcacccatg	tgcccaaggg	ttggatcaag	ggcaatgcca	atgacatcgg	840
catggattat	gattatgccc	tcctggaact	caaaaagccc	cacaagagaa	aatttatgaa	900
gattgggggtg	agccctcctg	ctaagcagct	gccagggggc	agaattcact	tctctgggta	960
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gaggatgtgg	aagagacagc	agcagaagtg	ggagcgaaaa	attattggca	ttttttcagg	1140
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gcatagaaat	aaaaaaaaata	ctgatttggg	gcaatgagga	atatttgaca	attaagttaa	1560
tcttcacgtt	tttgcaaaact	ttgattttta	tttcatctga	acttgtttca	aagattttata	1620

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1659

<210> 182
 <211> 2015
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2537684

<400> 182
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 taagctggac acagagggtg agtgtgcggg acagagggcc ttgcagatgc ctttctgttg 180
 gtgttttagt gttaaaatac ggagagtatg gaactcttca cctccatttt ctacgaggct 240
 gtgaagcagc ctctagctt cggaagtagc gacactacgt cgcgttttca agcgtgtctg 300
 ttctgcaggt aacagcatca agctgcacgt ggaagcatct cgcggttttc tagaaacagg 360
 cattttctta tccctctccc gctccttttt ccacaaagggt gaatttcata aatgtaatac 420
 tagtaaaagt aatgaattac tgagtttata cagaaattta ggtaacttct ccttttagtct 480
 caagagcgag tcttgctttt taatgggtgc cgtttatggt gctgcccgcc ctgtgtgcct 540
 ggctcctctg ggtgccttgg tgtctgctgg tggctggcag tgggcgagc ggaggagagt 600
 tgtgtctcag ctcatcagg gtgtctgtca tctcagctct gagtaaatgc agtgtctgcc 660
 ggtgtctgat gggttctgtc cctcgtattt tctttgcctt ctatcccatt gcctggctac 720
 cgctgccttg cagccaaggg tgttggtcgc gaagctggga gtggcctctg gtggagcctg 780
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 gtgggctttt aattagggac aaatccaatg gaagg 2015

<210> 183
 <211> 740
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2593853

<400> 183
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 aagtgggcag cagtcagtga gtgtcaacaa tgaacacaat gtggccaatg ttgacaataa 180
 caacggatgg gactcctgga attccatctg ggattatgga aatggctttg ctgcaaccag 240
 actctttcaa aagaagacat gcattgtgca caaaatgaac aaggaagtca tgccctccat 300
 tcaatccctt gatgcactgg tcaaggaaaa gaagcttcag ggtaagggac caggaggacc 360

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acctcccaag ggctgatgt actcagtcaa cccaaacaaa gtcgatgacc tgagcaagtt 420
cggaaaaaaac attgcaaaca tgtgtcgtgg gattccaaca tacatggctg aggagatgca 480
agaggcaagc ctgttttttt actcaggaac gtgctacacg accagtgtac tatggattgt 540
ggacattttcc ttctgtggag acacgggtgga gaactaaaca atttttttaa gccactatgg 600
athtagtcat ctgaatatgc tgtgcagaaa aaatatgggc tccagtgggt tttaccatgt 660
cattctgaaa tttttctcta ctagttatgt ttgatttctt taagtttcaa taaaatcatt 720
tagcattgaa aaaaaaaaaa                740

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<210> 184
 <211> 748
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2622354

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<400> 184
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atgctgtgcc agccacacaa gagatgtggg gacaagttct acgacccct gcagcactgt 180
tgctatgatg atgccgtcgt gcccttggcc aggaccaga cgtgtggaaa ctgcaccttc 240
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tgcgactcag cccggacctc ggatgacagg ctttgtcgca gtgtcagcta atggaacatc 360
aggggaacga tgactcctgg attctccttc ctgggtgggc ctggagaaaag aggctgggtg 420
tacctgagat ctgggatgct gagtggctgt ttgggggcca gagaaacaca cactcaactg 480
cccacttcac tctgtgaact gtctgaggcc caccctgcag ctgccctgag gaggcccaca 540
ggctcccttc tagaattctg gacagcatga gatgcgtgtg ctgatggggg cccaggggact 600
ctgaaccctc ctgatgacct ctatggccaa catcaaccgg gcaccacccc aaggctggct 660
gggaaccctt cacccttctg tgagattttc catcatctca agttctcttc tatccaggag 720
caaagcacag gatcataata aatttatg                748

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<210> 185
 <211> 648
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2641377

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aatctgattg gctcagttcg ccagataact caactttccc attggctacc tttgggtcag 180
gtgatctcca ctagacctat cgcctatgcc tgatggtggg tcacatgggtg caaatgttgc 240
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cccttacggg tcaggctggg agaagggtacc atgtgtgtg actggtcatt tgaggctctg 360
cagctgttgc ttgctgggct tggcagggtg tcaaagtgac ctttttctg aagggttttt 420
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tgcttcctta cttgcttgtg aatgtttcct tcatctccag gttgtctggg gacaattctg 540
tcttttgagg gcctgggcag gatttacaga gggctccatg ccagctcctt cctgccgggt 600
ccacttctgg tgtagggtaa acacctgcgc attcatgtcc tagtggtg                648

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<210> 186
 <211> 2110
 <212> DNA
 <213> Homo sapiens

<220>
 <221>
 <222> 1932

<223> a or g or c or t, unknown, or other

<220>

<221> misc_feature

<223> Incyte Clone No: 2674857

<400> 186

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ctgcttcctg ccgaggctgg cccaggcagc cgcgcttcga aggacgcgc cgggagctgc 180
ggacatgcgt ggagtggcag tgctaaccgc tgggtgtctg cactgttggc ctgtgaagg 240
acgtgaagct gaaagcctgg aatggctgga aaggggtcat caggcaggcg gcccctgctg 300
ctggggctgc tgggtggcgt agccactgtc cacctgggtc tctgtcccta caccaaagt 360
gaggagagct tcaacctgca ggccacacat gacctgctct accactggca agacctggag 420
cagtacgacc atcttgagtt ccccgaggtc gtccccagga cgttcctcgg gccagtgggtg 480
atcgcaagtgt tctccagccc cgcggtttac gtgctttcgc tgttagaaat gtccaagttt 540
tactctcagc taatagttag aggagtgtt ggactcggcg tgatttttgg actctggacg 600
ttacaaaagg aagtgagacg gcacttcggg gccatgggtg ccaccatgtt ctgctgggtg 660
acggccatgc agttccacct gatgttctac tgcacgcgga cactgcccaa tgtgctggcc 720
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cccccaaggg tttgatgggg ttgggcccag cttccagggg ctttcccttg gccgggggtt 2040
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agggaaggc 2110

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<210> 187

<211> 773

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2758485

<400> 187

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cccgagccg gggagggagg gagcgagggt cggacaccgg cggcggtgc ctggcctttc 60
catgagcccg cggcggaccc tcccgcgccc cctctcgctc tgcctctccc tctgcctctg 120
cctctgcctg gcccgggctc tgggaagtgc gcagtccggg tcgtgtaggg ataaaaagaa 180
ctgtaagggtg gtcttttccc agcaggaact gaggaagcgg ctaacacccc tgcagtacca 240
tgtcactcag gagaaaaggga ccgaaagtgc ctttgaaggga gaatacacac atcacaaaga 300
tcctggaata tataaatgtg ttgtttgtgg aactccattg tttaaagtcag aaaccaaatt 360
tgactccggt tcaggttggc cttcattcca cgatgtgatc aattctgagg caatcacatt 420
cacagatgac ttttctctat ggatgcacag ggtggaaaca agctgctctc agtgtgggtg 480
tcaccttggg cacatttttg atgatgggcc tcgtccaact gggaaaagat actgcataaa 540
ttcggtgcc ttgtctttta cacctgcgga tagcagtggc accgccgagg gaggcagtgg 600

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ggtcgccagc ccggcccagg cagacaaagc ggactctgag agtaatggag agtgatggaa 660
acaaagtgtg cttaatgcac agcttattaa aaagatcaaa attgttatcc taatagatat 720
attttttcaa aaactataag ggcagttttg tgctattgta atttttcctc ctt 773

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<210> 188
 <211> 714
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2763296

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<400> 188
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cacctggcag caggtgggtga cttccaagag tgactccgtc ggaggaaaat gactccccag 180
tcgctgctgc agacgacact gttcctgctg agtctgctct tcctgggtcca aggtgcccac 240
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agcaactcag acagcgccag gctccccatc agctcgggca gcacctcgtc cagccgcatc 420
taggcctcca gccacactgc ccatgtaatg aagcagagat gcggcctcgt cgcacactgc 480
ctgtagcccc cgaaccgggc ccagccccag gccagtaagc cgcagacttt agaaagccca 540
acgacatgag agagatgggc cgttgccatg gtggacggac tcccgggctg ggcttttgag 600
attggcttag gggctactcg gctctcactc agtcccacg ggactcaaga atgcggcgcc 660
atgctgcctt aggtactgtc cccacatctg tcccaaccca gctggaggcc tgggt 714

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<210> 189
 <211> 609
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2779436

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<400> 189
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gcacgggctt cggaggggtg tcccatggat ccagatgcct gagggactcc acccactgtg 180
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gccacatagg ctgccccgat atccccagcc tgggctggg cccctacgta tccatcgctt 300
gctgccagac cagcctctgc aacctgact gacggctgcc ctctccagg cccccggacg 360
ctcagcccc acagccccca cagcctggcg ccagggtcga cggccgcccc tccctcgaga 420
ctggccagcc cacctctccc ggctcttgca gccaccgtcc agcaccgctt gtctaggga 480
agtctgcgt ggagtcttgc ctcaatctgc tgccgtccaa gcctggggcc catcgtgcct 540
gccgcccctt caggtcccga cctccccaca ataaaatgtg attggatcgt gtggtacaaa 600
aaaaaaaaac 609

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<210> 190
 <211> 1088
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte Clone No: 2808528

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<400> 190
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gcggttcat gagccgacct gggcccagca gttgctacag gagatgaaga cctcttctt 180
gaatactgag tacctgatgc cctttctcct caaccagtgt ggatcccttc tctattacct 240

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caccttggca tcgacagatc tgaccctggc tgtgcccata tgtaactctc tggctatcat 300
cttcacactg attgttggga aggcccttgg agaagatatt ggtggaaaac gagcagttgc 360
tggcatggtg ctcaccgtga taggaatttc actctgcata acaagctcag tgagtaagac 420
ccaggggcaa cagtctaccc tttagtggg ccgaaccac ttccagctct gctgcctcca 480
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aacaagagtg aaagagtttt gtaaccttca agtgctgttc agctgcgggg atttagcaca 660
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aaagctat                                     1088

```

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<210> 191
<211> 1377
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2809230

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ggatgggacc gcctccggga gctgtttggc aaagatgaac agcagagaat ttcaaaggac 420
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<210> 192
<211> 985
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2816821

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<400> 192
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cgctggccct gggctcagcc gcaactgggc cgccttcgc cactggcctc ttctggggga 180

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ggcgggtgccc cccatggcga ggccggcgag agcagtgcct gcttcccccc gaggacagcc 240
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<210> 193
 <211> 1310
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 2817268

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catttatgcc tagaaggaac ggactttttt tttctatttt aattacacat aatatgtaat 1260
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<210> 194
 <211> 914
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2923165

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<400> 194
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gagctttctt ctggttggtg tctctactga tttcgtccct tgtttggttc atggcaagag 180
tcattattga caacaaagat ggaccaacac agaaatatct gctgatcttt ggagcgtttg 240
tctctgtcta tatccaagaa atgttccgat ttgcatatta taaactctta aaaaaagcca 300

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ctgactcctt	ggggccaggc	acagtgggca	ttcatggaga	ttctcctcaa	ttcttccttt	480
attcagcttt	catgacgctg	gtcattatct	tgctgcatgt	attctggggc	attgtatttt	540
ttgatggctg	tgagaagaaa	aagtggggca	tcctccttat	cgttctcctg	acccacctgc	600
tggtgtcagc	ccagaccttc	ataagttctt	attatggaat	aaacctggcg	tcagcattta	660
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 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2949822

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ttcttgtctt	atattagcca	gaatgtcata	tagtatattg	accagtagct	atggtggtgg	180
cgttttttat	ttattggact	taaaaagaaa	tacatcaaaa	gtttctccat	taatgatgat	240
gtttgtcata	gggcattgat	agatagcctt	caaaaagtta	agaaagtctt	tttctttcta	300
gtcttcaagg	ttaaaaagtt	tttaaagatc	ttaattgaat	gtgaacttta	tcaaagcctt	360
ttgtgatgtc	tatggagata	atcatgtatt	tgcttcttta	atacattcct	gtggtgaaat	420
atgtgaataa	gtgttctgat	attgaattat	ctttgcattt	ctagaataag	ccctaataag	480
tactattcaa	ggtatttttc	tcaaacacct	gattggactc	tgtaagctca	tatttcattg	540
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tctgaa						606

<210> 196
 <211> 893
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2992192

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tgtgtgctgc	tttgagcatg	atcggggccg	cttcttcacc	atcctcgggc	tgttctgcgc	180
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gaccttcacc	actcatgccc	cctttggctt	gggggcccct	ttcacagttc	ccttgaagca	480
ggatctttgc	atggcccacc	ggggtgaagt	ccctgccatg	ctacctctga	aagtcaaagg	540
cgcagccttc	tatttcctct	tggacaaaac	tggacacttc	cctaacacaa	aactctttga	600
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aagaggagga	taaaaactga	accttgggga	gccaggtgtg	ttggttcaca	cctgttgtaa	720
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cgagaccttg	tctctattta	caaaaaaaaa	aacaaaaaaaa	aacgccaatc	ttagaatgga	840
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<210> 197
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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2992458

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<210> 198
<211> 2029
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<213> Homo sapiens

<220>
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<223> Incyte Clone No: 3044710

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tttgtgtcac agaagttttt atggaaacta gcaccatgtc tacagaaact gaaccatttg 840
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<210> 199
<211> 543
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 3120415

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<400> 199
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gctggccctt gtcctgcagc tccgctgctg ctttcttagt gggctcgcc aagcctgtgt 180
cccagcctgt cgctgcgctg gagtcggcgg cggaggccgg ggccgggacc ctggccaacc 240
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tgaaggccct gaaggccctg ctggggggccc tgacagtgtt tggctgagcc gagactggag 420
catctacacc tgaggacaag acgctgccc cccgcgagg ctgaaaaccc cgccgcgggg 480
aggaccgtcc atcccccttc cccggcccct ctcaataaac gtggttaaga gcaaaaaaaaa 540
aaa 543

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<210> 200
<211> 531
<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte Clone No: 126758

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<400> 200
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ctttgtagtt actctgctac tgccttcctc atcaacaaag tgcccttcc tgttgacaag 180
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tgacatcaag ataaagagcg gaggtggatg gggatggaag atgatgctcc tatcctccct 420
gcctgaaacc tgttctacca attatagatc aaatgcccta aaatgtagtg acccgtgaaa 480
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<210> 201
<211> 491

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<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 674760

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<400> 201
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ttcttcttgc accttgggaa gtggaggacg tgggatggaa gaagggcctg gacctccctc 180
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<210> 202
<211> 1551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1229438

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gtcggagccc gagctgatcg agcggcagcg gctggagctg cggcagcagg agctgcgggc 180
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gcgcgccgac gtgtccatgg ccaacatggt gctcatcggc ttcttctcgt gcatcagcac 540
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<210> 203
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1236935

<400> 203

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<210> 204

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1359283

<400> 204

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<211> 971

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<213> Homo sapiens

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<223> Incyte Clone No: 1450703

<400> 205

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971

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<210> 207
 <211> 567
 <212> DNA
 <213> Homo sapiens

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 tgagttctgt tgccacaaaa gttatatagc acatttggtt tgcactgaat cagcgattct 180
 caatcctggc catgcttttag aattatacaa gaaaaatctt caagtatcaa tactcagctc 240
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567

<210> 208

<211> 1303

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1961637

<400> 208

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<210> 209

<211> 1355

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1990762

<400> 209

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<210> 210
 <211> 776
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1994131

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ccattctggt ttatagtttc tgtgctcact gcttgtgata atcgtaagta tatattgttg 180
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ttaatttttg tcatcccata agcaatgaag gtccctatcc agggctctgc ttggagcagc 540
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atggagtccc cctgattttg tgtgtgtgtg tctgtgttta agcacgcgtt cggttgggtat 720
agttttttat atgtattttt acattaaatt gaaggtagct gcctcctgga aagcag          776

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<210> 211
 <211> 817
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1997745

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<400> 211
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tgggggtggg gctttgcagg ggatgctctc tgatgtttgt tccgttgttt aaataaaatg 780
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<210> 212
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2009035

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<400> 212
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aaaa 484

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<210> 213
<211> 509
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2009152

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<400> 213
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tatataaaaa gttttaataa atacctaatc tattatttaa tatgataaaa cttatattaa 180
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catggaaatt tatgttcctt ctaactttt 509

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<210> 214
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<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte Clone No: 2061752

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<400> 214
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caatgggaag gtacttaagta ctgcttaact gtgcacactt aaaaatggta aaaatgataa 1080
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<210> 215
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2061933

<400> 215
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<210> 216
<211> 1279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 2081422

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ctgacaggca gttctttgag tagtcaaat aagatgtaat ggttgaattg tataatggca 1200
atcacataaa ctacatatat aaagcttcta gcttagtaaa ctctaaatgt gtttttttaa 1260

actaaagaat gagggggggg

1279

<210> 217

<211> 899

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2101278

<400> 217

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cccatgagca	ggaccgcctc	catgattggg	gagcatgcac	ttgtgactgc	agggtaagag	120
tgggaaagata	ggtttgtgga	gtggcaccga	caggactgtg	attgtgtgtg	ggcctgcccc	180
acatttctct	gggggatgct	tatgtgagag	tgggccagct	gaaagagtta	ccaagccacc	240
cacaccctta	acactgttct	ggatgagaga	tgagagcaga	ccggcttctc	cccatcagtg	300
cattgtgcct	gttgtaacac	cctggaggag	ccctggagcc	agcccagggtg	gggtacacaa	360
tctttttaaa	ttccatatgg	ttgccagctt	atttctttca	cttgtttact	gtaatatctg	420
gcgtgttttt	atztatctaa	ttttgtattc	agttataacc	atggtagggg	tagtgaatat	480
atgacaggtg	taatccctgg	tgctgcagtg	gaccttcttt	tcttttggac	aagataatac	540
tgtgagtttc	cctccttctc	tccctctaata	ttgttttctc	tttttcccca	gcctcttgca	600
tccccttctt	ttctaccctg	tcctacaact	atcatatgca	cagtcttctc	tctttgtgtg	660
tgactgttac	aaaatttcac	ttttcaaaat	cgaaatcagg	tgtttgctca	aatgagggga	720
gatttttttt	tttttttttt	ttttaaatgc	tgagacttca	gcagagtact	ttcctttttg	780
tggtttcccc	caaaaaccca	tcagtctggg	agagcattgg	gagtggaaat	catgttgctc	840
gggatgctgg	tttctttgaa	aattatataa	aacgtatgta	aaaggtcccc	ccatttgggg	899

<210> 218

<211> 645

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2121353

<400> 218

caaagtgtctg	ggattacagg	tatgagccac	cgcaccgggc	ctgttctatt	tttctagtta	60
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ccccggcttt	tcccaggcag	gctcctgcgt	gcccactggc	tccagcctgg	tcctctgtct	180
cttggtgtct	tcactcctgc	tctttgtccc	gactctggcc	ctgcttacag	gggccactac	240
ctgctgtgtgc	ttccataaca	agcgtctggc	gttgagaccc	ctggcatggc	aggggctttg	300
gggtctgtgtt	tccacaaggc	ttagccatgg	cagaacctcg	ttttatttta	actctttgcc	360
cctacaaaca	aacagcagta	cttgccagaa	ccattcttgg	gattcaggag	ctcgggcgac	420
tgccttggcc	tctggccgca	cccaggaggg	tggggttgga	tctgtgtagt	tgccaggccc	480
acacctgcca	gcagggggct	gactggatcc	atgctttact	gtgtttaatg	ggggtaacag	540
gggtccctac	agccctccca	gctaaacatt	tggaaacaaa	caccagccct	tttgtagtgg	600
atgcagaata	aaattgttaa	tccaatcacc	tccaaaaaaa	aaaaa		645

<210> 219

<211> 703

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2241736

<400> 219

ccacgcgtcc	gctgtaaacc	agaaaaatgt	tggttatcta	gaaaacttga	gagagcatgt	60
agattaactt	ttctcttttg	agttctaaaa	cattaactgg	aaagattaga	taatatacta	120

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aatgtataca gaagtataca gactatacaa agactgaaac aagtcccttt tgcactacaa 180
ctctataaca ttaccgcaga aatttttggtt ctatgtagca tggacctcct aaggaattct 240
gtttctttta gcattgagat ccctggtgct ctttttttac ctccagaattg gtacaatcat 300
tattaaacgt taatttattt caaacttttt aattgaaaaa aggaaaggga aacttaattg 360
gggataaatt caggcatcat attattatga tagagtctcc tgagtgggtc gtctataggt 420
aatgaactca ttggtgttat ttcttggaca tcttggcctt ttaatcaaag actgtgtgct 480
gctattttgct atgagcaagg tttctcaaaa gcaaaagggtg cttggaccat ttggatcacc 540
tgagttagaa tctctaggta tagggcccag gtatctgcat tttcacagg tcttctgtagg 600
tgactttctg caagctaaag tatgagaacc attggcttgg atgtagtctt aaacttttag 660
gtctgtaaat cttgaaatct tgaactgaag gtcaactatt ggc 703

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<210> 220
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2271935

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<400> 220
ctttcatcat aattaaagtg ctgtcaggga aatggcatg gctgagtttt gctgctgttg 60
aaatgaccct ctcctccac tcctcttcgc ttctctcatt tgctaaagtg gtcctttctc 120
tgcctgaaat caggcccttt ggtgatggaa atttttagctt aaagcagagt tctaagcaga 180
atcctaaccg tgcgagggtg gggagaaaaa caatgttttg agctgggtgc tgtttgcagc 240
gaggtgctg tgaggccatt ttcatacagg ggaacgggtg tgggtggctac ttctgggctt 300
tagatccacg caaggctctc taaatacaag tcactgtcat ggtacacaat ttagcaaaac 360
ttggaggctg attttccccg ttgacttagc tagggtcagg aggaagctgt ttagaagtac 420
agaggttctg catctgggag ggtaaaatcc aaacgcctct catgctcaga gggaaagcat 480
gcctgcatgt ttactatcac tgctggccta cgtgcttgtg tgctgaattt agatgg 536

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<210> 221
 <211> 790
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2295344

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<400> 221
tccgtccccg gccggtagat tttcttctct ttctaaggct aatggtggta gttttgtttt 60
ttgacgtttt cttataatga gtttttcttt ataattttta atttatgctg taatgtttct 120
tatttacaat gttatctctt aaatctttga gtacattaca ttttctcccc tgataatctc 180
ttctaaatta ctttctctag ttggttttct tcccttcctt aatgttagcc attcttcagg 240
tgaaggttaa tcctcaatgt actcttcatt ttttaaggga gggcttaaaa ccttgtgggt 300
aggacttacc aacggagttt cattgcatga tgatcttatt gagcttattg gtagccctta 360
tctcagtatc tttagttttt cttgggctgg tcagattttc aagagaagac ttttcatttc 420
ctttgtggag ggaaaaggcc ttttaccagc actcttcaag ctgagtaggg gaaagacttc 480
aagcactcag gaagcatgca ttcactttat ttggaacaat acccttactt gtaactgtgc 540
ctcaggtgcc atagtccaca gagacttctt ttacctgtcc agagaataaa attagttgtc 600
tggtggggta acaaaaagtg tggagctgaa gagggtaacct ataaatgaag ttgttttctg 660
gccgggcgca gtggctcacg cctgtaatcc cagcacttcg ggaggccaag gtggagggat 720
cacttgagtc caggagtttg agaccagcct gggcaacata ctgagactcc gtctctccaa 780
aaaaaaaaaa 790

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<210> 222
 <211> 1045
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<223> Incyte Clone No: 2303994

<400> 222

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gggaagttga ggctgcagtg aactatgatt ttaccactgc actccagctt gggcaacaag 60
atgagaccct gtctcaaaaa aaaaaaaaaaag ttttctagaa taagcaggat gattgtttta 120
tttgaagatg gaacaggaaa ctagagtgc tttaaaatac tctgtcttca ttttaacatg 180
ttgaatggaa taactgcata tcaccatgag tttgttttgc ttttcataca gacttgtagt 240
tgtcatttga gtggtttcca gattggagcg aggttattct gatctaaatg aacagcattt 300
ttttccttag cctctgtttg ccactctggg tatctctcct atgggcaaag ccattagaaa 360
tgcataaaac ctcgagacat ggtttttggc aaaaactcca tgactttaaa ctagctcttt 420
tactactgac ctttcacaga gaaaaaatat ttcccttgaa aaaaactggg cttgtcattt 480
tttccttgt agctttaagc agagacataa gtgccttgca ttacacatag taaactttct 540
ttaaaaaaaa aaaaaaagat tttggagact accagggtaa gattccaact tgtccaaaag 600
ctttctggcc ttacatattt tattataaaa attctcaagt ctggaatct tctatgtcag 660
agctagtgat ttcaaaagggt ttcacaattc cccaagacaa aagtgatttt cgttcattat 720
aataaggtta agtgatatgt gattcataac aattttgatg tgaagaaggg aaggacatca 780
ttgacttaat aatagtatca gtcggtgcaa cagttggcaa catgtgcctt cacactttac 840
cataaagaga cgggtttgag ggtttgcctt ctaaagtctg caacttcaag aaaaaaatc 900
gacaccgtgg attgaccttc cgggtccac taatataaag ccaataaagc ttaaaaacac 960
ctttgtaac ccatgtaatt taactccggt ccagtggccc tataattcca attaaaaatg 1020
gttcaatctc ttggaaaaaa aaaaa 1045

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<210> 223

<211> 553

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2497805

<400> 223

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ctggcagatc cggacgggca ggactgggtg tgtcccatga gagcacctcc ttcctggcct 60
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ccaggcacag cagttggtga ctcccttggtg ggagccgtgt cccaccgggt cctgatactg 180
ccgtcttctc tttcacagtc ctccaggctt gggccagcct tgggggcagc agagcttctg 240
gggtgagtgt cgagatcctg tgtcctgaga gcggtagtca gggagagggc tggctcggggc 300
agggctgccc aggcaggaca caggatgcgg ccggccaggc tggggccaag gtgttcagac 360
ctggactttg ggctcgtgct ttcttcattg ttgcgccttg ctgcgtgtcc cttggagtct 420
tcatttggtt ttgctttttt tgtttgtttg ttttcacctt attttttgcca gacttaagct 480
agttttgctg ctttttgaaa ctagtggaag aatcatttta ttcctgggga taatttgggg 540
gcttttgaat cca 553

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<210> 224

<211> 706

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2646362

<400> 224

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ccgaccccca acctcaagtt gcgcgggaa gagcggctca tctgaacgct ggggctgct 60
gcagccacca acactgccca ggactgcggg ttgctggctt gtacaccgca gctgccaccg 120
agacaccagc ctctgatggc tcaggaggac ttgtggggag aggtggggg caccatgtg 180
gtgggctctg tgcagcatgt tgccctctgct tggctgtgcc tgcagctcag ggtgctgggg 240
ctcgggaccc accccctgc ttgcggaacc aacttttctc tgtgtgtcca gcaggcccca 300
caacccctc tcctttcttt cagttctccc atgcagccga ggcccgggccc cctcaggact 360
ccaaggagac ggtgcagggc tgccctgccc tctaggtccc ctctcctgca tctgtctccc 420
ttcattgctg tgtgaccttg gggaaaggca gtgcctctc tgggcagtca gatccacca 480
gtgcttaata gcagggaaga aggtacttca aagactctgc ccctgaggtc aagagaggat 540
ggggctattc acttttatat atttatataa aattagtagt gagatgtaac aaaagcttta 600

```

```

ttggtgtgtt  tgagctggtg  ggtgccacat  atttggggat  ttgaagaagg  aggtgagatg  660
tctggatggg  gactgggatg  ggtagaggat  tcagtgtata  tccgag      706

```

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<210> 225
<211> 509
<212> DNA
<213> Homo sapiens

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<220>
<221>
<222> 492
<223> a or g or c or t, unknown, or other

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<220>
<221> misc_feature
<223> Incyte Clone No: 2657146

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<400> 225
aaatttttagt  gtattacatt  tgcctttact  gtttatgtgc  agcataaagt  tgcttttgtt  60
acaattcatg  ttgtttttgta  atggtttgatc  aaagcaaaga  aagacatgtg  ttactacgca  120
tgatctgtca  atgttttaagg  ctggttggttg  ttcttgtgac  tttgctaata  tgttttttctc  180
ctgacagggtt  aacctgccct  cttaactcag  cagtggttct  agcgtcctat  gccgtacaat  240
gtaagtcaca  aagggagcat  ttcacggatg  gacaggttgt  tctgatcagt  gtgtggagaa  300
agtacttggt  tcctcctgct  tgaccaagtc  cctcttcccc  aggaatcctg  ctgggcagca  360
tatctctggc  tgtccagata  tgtgtttcta  ctcagactgg  cactctcctg  tagcatgggg  420
atgttagatt  aaggaagggtg  gttaaagggg  aaagaatgaa  tgaactgtgg  tgtgaaattt  480
cttccaagga  gnccatccga  cagcagaca      509

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<210> 226
<211> 2153
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2755786

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<400> 226
gaaggcgggtg  gctgaggcgg  ttccggagggt  tctagtgtcg  gagttgggtg  caggcagggtg  60
ccatgggccc  gcttgaggca  cactgagggg  acgcggggct  gggccatggc  cggcgctcgg  120
gccgcggccg  ccgctgcctc  ggcgggggtcc  tcggcctctt  caggcaacca  gccgcctcag  180
gagctggggg  ttggggagct  gctggaggag  ttctcccga  ctcagtaccg  ggccaaggat  240
ggcagcggga  ccggcggctc  taagggttgag  cgcattgaga  agagatgtct  ggagctgttt  300
ggccgagact  actgtttcag  cgtgattcca  aacacgaatg  gggatatctg  tggccactat  360
ccccggcaca  tcgtgttcct  ggagtatgag  agttctgaga  aggagaaaga  cacgtttgag  420
agtaccgtac  aggtgagcaa  gttgcaagac  ctcatccacc  gcagcaagat  ggcccgggtg  480
agaggacggt  ttgtctgccc  agtaatcctg  ttcaagggca  agcacatttg  caggctcgcc  540
acactggctg  gatggggaga  gctgtatgga  cgctcaggct  acaactattt  tttctcaggg  600
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agtggtgaca  cgcactcttt  tgataagggtc  agaggctatg  acatcaagct  gcttcgatac  720
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aatgtaacct  cctctgagaa  ggtggacaaa  gccagcgcct  atgccgactt  cactctcctc  840
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gaagggtc  tatttaactg  gaagcaggac  tacgttgatg  cccattgag  catccccgac  960
ttctgactc  actctctgaa  cattgactgg  agccagtatc  agtgttgga  tctggtgcaa  1020
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ctgctggtac  actgtatctc  aggctgggat  cggaccccc  tcttcatctc  cctcctgcgc  1140
ctttccttgt  gggctgatgg  gctcatccac  acgtccctga  agcccactga  gatcctctac  1200
ctcactgtgg  cctatgactg  gttcctcttc  gggcacatgt  tggtagatcg  gctcagcaaa  1260
ggggaggaga  ttttcttctt  ctgcttcaat  tttttgaagc  atattacctc  cgaggagttc  1320
tctgctctga  agaccagag  gaggaagagt  ttgccagccc  gggatggagg  cttcaccctg  1380
gaagacatct  gcatgctgag  acgaaaggac  cgtggcagca  ccaccagcct  tggcagcgac  1440
ttctccctgg  tcatggagag  ttccccagga  gccactggga  gcttcaccta  tgaggccgtg  1500

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gagctggtcc cagcaggagc gccaaactcag gcagcttggc ttgcagccct gagtgatcga 1560
gagactcggc tgcaggaggt gcgctcagcc ttcttggctg cgtacagcag cacagtgggg 1620
cttcgggcag tagcccccag tccttccggt gccatcgggg gcctgctgga gcaatttgcc 1680
cgtggtgttg gactccggag catcagcagc aatgccttgt gaagaagcca gcccatgaca 1740
ttttcctgct cctctctcag ctgagccctt agcagagaat caaagccatg cctggccgaa 1800
ggggtacttc caggtcaggg gaaatttcag tccccatct ccacatgaa catggcagcc 1860
ccaaagctga gcaaggccaa agacagggtt ttccaacccc cagcctcttg actggtgacc 1920
accaccctt cttgtcactg tctcccaccc accccatctt tgctgggatt cccatcaact 1980
ctcagaactg tgtgggggtt ccctggggcc ttgtggaagc catgacttca caaagaccct 2040
acctgtcagt tcttgtttct ggggaggagg gatcacctgc actgagaatg aggcagtttg 2100
acacagatca caaaataaaa tcaaagtctt tttgaatagc caaaaaaaaaa aaa 2153

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<210> 227
 <211> 791
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2831245

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<400> 227
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gagaatggt tggagatgaa aggttctcgt gtatggcttt tgctcctatt tatgtggaaa 180
gcagcccta cattctttca aagctgtgtt gtcccttta ttctcagtc ccagaattgt 240
gtgcaaacac actctcttgg ccaggggtt tggctgggtg tgtttccttc tggaagtctt 300
cactagcact cttgagttag ctggcaggag atcccttaaa accatttcca agcagttttt 360
ctcacttccc tataggggct aatcctgtac tttccacttc agttccagct gctgttgctt 420
gggaagaaac aaatttctgc tgtgttctca atctccagac ggtccatgaa aatttaattgt 480
ataagaacaa agaggctggg cgcagtggct aacgcctgta atacctgcac tttgggaggc 540
tgaggtgggt ggatcacctg aggtcagaag ttcgagaaca gcctagccaa catggcgaaa 600
ccctgtctct actaaaaata ccaaatttgc tgaacgtgat ggtgggggct gttaacccca 660
gtacttggga ggctgaggca ggaaatcgct gaactcggga agcaaagggt gcattaaggg 720
tacgagctcg aattcggtat catgttaaaa ccgtttccgg gttaaatttg tatccgcca 780
caattcccac a 791

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<210> 228
 <211> 870
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3116250

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<400> 228
cctgttctcg ccctcaaagt ggaacgctgg cctgggacta aagcatagac caccaggctg 60
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tattcttcaa gcaacttaca gctgcaccga cagttgcgat gaaagtctta atctcttccc 180
tcctcctgtt gctgccacta atgctgatgt ccattggtctc tagcagcctg aatccagggg 240
tcgccagagg ccacagggac cgaggccagg cttctaggag atggctccag gaaggcggcc 300
aagaatgtga gtgcaaagat tggttcctga gagccccgag aagaaaattc atgacagtgt 360
ctgggctgcc aaagaagcag tgcccctgtg atcatttcaa gggcaatgtg aagaaaacaa 420
gacaccaaag gcaccacaga aagccaaaca agcattccag agcctgccag caatttctca 480
aacaatgtca gctaagaagc tttgctctgc cttttagga gctctgagcg cccactcttc 540
caattaacaa ttctcagcca agaagacagt gagcacacct accagacact cttcttctcc 600
cacctcactc tcccactgta cccaccctca aatcattcca gtgctctcaa aaagcatgtt 660
tttcaagatc attttgtttg ttgctctctc tagtgtcttc ttctctctgc agtcttagct 720
tgtgccctcc ccttaccag gcttaggctt aattacctga aagattccag gaaactgtag 780
cttcctagct agtgtcattt aaccttaaat gcaatcagga aagtagcaaa cagaagtcaa 840
taaataat taaatgtcac aaaaaaaaaa 870

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<210> 229
 <211> 764
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 3129630

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<400> 229
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gcggcaggag ccgcgcgcga cacctgaagg aaaattgggc cgatttccac ctatgatgca 180
tcatcaccag gcaccctcag atggccagac tcctggggct cgtttccaga ggtctcacct 240
tgccgaggca tttgcaaagg ccaaaggatc aggtggaggt gctggaggag gaggtagtgg 300
aagaggtctg atggggcaga ttattccaat ctacggtttt gggatttttt tatatatact 360
gtacattcta tttaaggtaa gtagaatcat cctaatacata ttacatcaat gaaaatctaa 420
tatggcgata aaaatcattg tctacattaa aacttcttat agttcataaa attatttcaa 480
atccatcatc tctttaaatc ctgcctcctc ttcattgagg acttaggata gccatgattt 540
cagtttcaca taagaatggt tactcaatgt ttaagtgtgt tgccccaaaa ttcccaacta 600
acaaggcaga actaggggac ttgaccttgg gacctttttg ggtcctaaac tccaggtaag 660
tataacaat ttcaattggc ctttccctt gccagaataa aaaaaataa aggggcgggg 720
gggttccccg acccccggaa tttccggaaa cccttggtaa aacc 764
```

<210> 230
 <211> 540
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 007632

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<400> 230
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atcctctctt atctcttctt ctccttgact ccagggaat atcctttcaa ctctcagcac 120
ctcatgaaga cgcgcgctta actccggagg agctagaaag agcttccctt ctacagatac 180
tgccagagat gctgggtgca gaaagagggg atattctcag gaaagcagac tcaagtacca 240
acatttttaa cccaagagga aatttgagaa agtttcagga tttctctgga caagatccta 300
acattttact gagtcatctt ttggccagaa tctggaaacc atacaagaaa cgtgagactc 360
ctgattgctt ctggaaatac tgtgtctgaa gtgaaataag catctgttag tcagctcaga 420
aacacccatc ttagaatatg aaaaataaca caatgcttga tttgaaaaca gtgtggagaa 480
aaactaggca aactacaccc tgttcattgt tacctggaaa ataatcctc tatgttttgc 540
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<210> 231
 <211> 857
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1236968

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cctgggtagt ttgcacggtt tggctggaaa ccacagtccc cccatctctg ccagaacccc 180
ccagtgtggc actgtcctca gacagctcct ggagcttggt gataagcact ggaatggctc 240
cggctccctc ctccctaaca agaagtttct cgaaaagttt gaagcaaaaa ctgggtcagag 300
tgctggagga aaacctcatt ttgtcagaaa aaattcaaca gttggaggaa ggtgctgcca 360
tctcaattgt gagtgggcaa cagtcacata cttatgatga tcttctgcac aaaaaccaac 420
agctgaccat gcaggtggct tgcctgaacc aggagcttgc ccagctgaaa aagctggaga 480
```

agacagttgc	cattctccat	gaaagtcaga	gatccctggt	ggtaactaat	gagtatctgc	540
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agggtcatca	tctggggaga	tcatcgccct	ttgggaaaag	cacgttgtct	tcctcctcac	660
cagtggcaca	tgagactggg	cagtatctaa	tacagagcgt	cttggatgct	gccccagagc	720
ctggccttata	gagctagcat	ggaactcaca	ccacagcttc	cctgggtccac	agaggctctc	780
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tgattaaaaa	aaaaaaa					857

<210> 232
 <211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1334153

<400> 232						
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aaatcctgtg	tcaacagcat	tgccctctgaa	tgtccctcac	atgccaacac	cagctgtatc	240
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tcagcggaga	actgcagtga	ggagacacac	attacagcct	tactgttcca	cgtgtctgct	360
gaagaacact	ttcattttgt	aagccagtgc	tgccaaggaa	aggaatgcag	caacaccagc	420
gatgccctgg	accctccctc	gaagaacgtg	tccagcaacg	cagagtgcc	tgcttggtat	480
gaatctaattg	gaacttcctg	tcgtgggaag	ccctggaaat	gctatgaaga	agaacagtgt	540
gtctttctag	ttgcagaact	taagaatgac	attgagtcta	agagtctcgt	gctgaaaggc	600
tgttccaacg	tcagtaacgc	cacctgtcag	ttcctgtctg	gtgaaaacaa	gactcttgga	660
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gccccgttta	actgccaggt	aagtgggagt	cacaggtctc	caggcaatgc	cgacagctgc	960
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<210> 233
 <211> 1981
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1396975

<400> 233						
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cacgcagtga	ggaatctttg	tacttaaggc	cagggaaca	aagtcaagag	gtcaagggtg	180
agggccatga	ggcctggacc	tatgctgcag	gcaagggttt	ccatccccgc	tgccctaggc	240
actctcttcc	caaggccagg	ttgggcacct	ggggagggtca	gttcagaaat	atctagcaga	300
gacctcttaa	acccccatcc	cagcacccca	tcctgttggt	cccagagctg	gtctcccatg	360
agtgtgctag	agccagatag	ccgtggcccc	ccacctatct	cactcacaca	cacaggcatc	420
catacacccc	agaagacttc	ccaaatgagg	ccagactcag	ggtcacgggg	aatgtgcttc	480
tgcccttgta	agggtctttg	ggaagggggc	aacatagtag	aggctggaaa	gagcccccaa	540
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tgcacccaga	ccaccggcca	ggagagacct	tctctccccc	tccagccctc	ctcactgccc	660
ttcaactaga	gcttttcacct	ttttacattt	cccttctgaa	ggacacaaat	ctgcttttct	720
gccatacac	tggcccaagg	gctcacctaa	cttgggagg	aaggggctgt	tggtacaagg	780
atgattttct	gttagactgc	cattttgcac	ggtctcccc	ttccatctg	atgtgtcctg	840
cccctcagct	ctttgcctta	tctgtgtcac	tgtcacttta	gcaaaaatac	agcggccatt	900
tgtatcagcc	tctggtgggt	gcttgtgagg	tgggactctt	gcgggaacag	gtggactttg	960
ggaggagtgg	gcaggggagg	agtggtagtg	gcagttctcg	agctatctga	ttaagccatt	1020

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ccgttagttc agttgtgccc tggagggcag gggacagggt cagtatctct ggggctgcag 1080
gccctcttgc cttggccctc ctggcatggg gtaaccacca gctcagctct cctcctccag 1140
ctttcctctc tctagcacac cccagccagg gcaaggatgc ccacgggcat agctacagca 1200
acctctgcgg gatttggtgt ccacaccgga gaggccaggc cagatgggaa agggattagc 1260
gcctcttccc tcacactctg ccaggctgcc gggagcttgg gccaggctta aggtaatgag 1320
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cttctctctt ctaggctcag tgtatgctta atcaggcatg gtgcatcaga gcgggaagga 1500
gccatcaaca gtgtatactt ctggagcctt ctactgataa acagaggccc cagaagacga 1560
tttgacttac ctgagctccc agctgggact taaaccaggg tgtgtctgag tcacaactct 1620
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ccactcctgc catatcaggg ctggtctctg tggactcagc ccagggctgc ctctctttg 1740
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agggcaggaa gggcagattg ttaaaggggc tgcggcccag accaccctgg tccctcctcc 1860
ggcagtgact cagaccaca ctgtgccgtg cagctgtgtg ccctgcacac ccgcttgacg 1920
gcgcactgct cacttctggg gggccctttc agaggcactt ttaaagcaaa taaaacattt 1981
a

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<210> 234
 <211> 744
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1501749

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<400> 234
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ctcctgctcc tgtgctgggg cccagggtggc ataagtggaa ataaactcaa gctgatgctt 180
caaaaacgag aagcacctgt tccaactaag actaaagtgg ccgttgatga gaataaagcc 240
aaagaattcc ttggcagcct gaagcgccag aagcggcagc tgtgggaccg gactcggccc 300
gaggtgcagc agtggtagca gcagtttctc tacatgggct ttgacgaagc gaaatttgaa 360
gatgacatca cctattggct taacagagat cgaaatggac atgaatacta tggcgattac 420
taccaacgtc actatgatga agactctgca attggtcccc ggagccccta cggcttttagg 480
catggagcca gcgtcaacta cgatgactac taaccatgac ttgccacacg ctgtacaaga 540
agcaaatagc gattctcttc atgtatctcc taatgcctta cactacttgg tttctgattt 600
gctctatttc agcagatctt ttctacctac tttgtgtgat caaaaaagaa gagttaaaac 660
aacacatgta aatgcctttt gatatttcat gggaatgcct ctcatthtaa aatagaaata 720
aagcattttg ttaaaaaaaa aaaa
744

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<210> 235
 <211> 979
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1575240

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<400> 235
gggatgaagc ccagcaagtt cacagggatc cggaagttg tgtggctgga aaccaggca 60
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acagcatgac accacaaaaa agggagcctc cagctgcacc cctgctgctg cgagtacttc 180
ctcagctgtc tgccatgagc ttaagggtta gtaccaggag ggaggatatg attgggcaaa 240
cctcaggcat gtgttcattc tgtagcttcc agaacatgcg aggagagagc atctggctcc 300
tttgctcga ggaggagggg gcaggactct gccagaactc actcgataaa agattttccc 360
aaaaggaagg gtgttcagat gacaaaagtc cactacacca ctttcttgg ctatctgatg 420
caccgccatc ttcccatgcg gcacacctcag aaatcaggct cccacctgac ataacacaac 480
catgcctcac aaaaagacag tggtttatcc cttccctagg agaaaagaga ggcaatgcc 540
agctgcttca tcaactgtta atacttcttc cagcccgcaa ccaggatat ctgcagggtg 600
ctctccctct ggtttggtca tggctctctc tgttctagaa tgtatgggtt aaagtccggt 660

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gccacacccat gccctcggca gtgtggtcca aggaccctg agggctcctca aggtccttcc 720
tttcccaacc ccacgtggtt ttcttcagtc aggataccat actgcaacag accgaaggcg 780
gaagcagcta tgaggatgca gcagccttct gttaagccag gctttaagga tctgcaaaaa 840
tgtaaaacga tgccactcct actgatgaa tatattgttt tggaaaatat aggtttaaaa 900
atTTTTTTTaa ggtaacatgt aatggatgta tagtcttcaa atggatgaat aaatgttttt 960
cagagttaaa aaaaaaaaaa                                     979

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<210> 236
 <211> 760
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1647884

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<400> 236
cccgaactgtg cgccgcgggt ggctcgggtt cccggggccga catgggcgcc gccgcgtggg 60
cacggccgct gacgctgtct ttcttctgct tgcttctgcc gctcccgggg atgcccgcgg 120
gctcctggga cccggccggt tacctgctct actgcccctg catgggtaag gcctcccaag 180
ccctctgctc agatggagaa actgaggccg ggagaggaaa agccactcct cagatgcgcc 240
cagagacacc ttacacaggtc caggagagaa cctcagagcg ggacggggca tgctcttctc 300
ctctctgcct tagttgcaag ggcacagagg ggccaacgtg tccaactttc catttgacag 360
atgagaaaaac tgaggctggg agagggttacg tgacttgctt gaggtctaag ccagtccagg 420
gtccagtaaa tggagttagt ggggcaggac ttgatgtcac tgaccacgcg tggctcctgg 480
tgatttttca ttgattcagc aaatatattat ggggcaccta ttctgtgccg ggccctgttc 540
tctgtactgg gaataccgca gtgaataaga taaactccgt gtccttgtag agccttcatt 600
ttagttgggg aagacaaaca attgagaata agtaggccag gcgcggtggc tcacttctgt 660
aatcccacca ctttgagaga ccgaggcagg atcacttgaa gccaggagct cgagatcagc 720
ctaggcaaca tagtgaaaat ccaatctcaa aaaaaaaaaa 760

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<210> 237
 <211> 1080
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 1661144

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<400> 237
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accgcacccg gccgcattct tctaaatcac agtacatctg gttcccagtg cccaggctct 180
cagggcagag ggtccagtgt gatcactttg catggcctct ctcccctcct gagcttgtgc 240
cagggcccca gggctgacct ggagaaggaa aatggcagag ggtgaagatg ggggtgtctg 300
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gggacttggc ttcccggttg accacaggtc caagaacctg cagggtccag cctccccccc 480
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ggccatggtg aggacacct tggtggtctg tcccacatca agctgggagg tgacactgag 780
gatgcattag tctgcagcgt atgataaaaa cggcatttca ggccaggcgt ggtggctcat 840
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gagaccagcc tggccaacat ggtgaaaact catctgtact aaaaaaacia aaattatgtg 960
ggttggtggt gtgcgcctgt aatcccagct acttgggagg ctgaggcagg agaatacatt 1020
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<210> 238
 <211> 1129

PF-0541 PCT

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 1685409

<400> 238
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ggttaaggga aagcgccgag atgacgggct ttctgctgcc gcccgcaagc agaggtagcc 180
ccagggaggg gagggaaagg gacggtggag acctgggtta gaccaagggg tatagaagga 240
aagagagcta cctcagggct tgaatgtgga ctagtcgtga ggagcagagt gcattgcttc 300
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ccctcaggtg gcctctctcc ccctgggcca ctcccgggg tgaggggggt accccttccc 1080
agtgtttttt attcctgtgg ggctcaccct aaagtattaa aagtagctt 1129

<210> 239
<211> 2370
<212> DNA
<213> Homo sapiens

<220>
<221>
<222> 122, 124
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 1731419

<400> 239
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angnggggtg ggaaaggcct gtgacatttc ctctggtggt ttccacgaac ccaggcgctca 180
cccctcggtg gagataaagt ggagccaccc agctccaccg tgtctcagcc tggggctcggc 240
ctctgctgct tctggactca gtgaccctgg gctgtcaggg agcttctgag ccttggtttt 300
cctgtcaggt aagatggagg taatcgtgtc ttatgggggt gttttgaggg ttaaagtagc 360
tggtggctgt gtgggaaaga gctctgcctc ccgacgggag gaactgtgct gttcttatta 420
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gcgggccccg gggacacaaat gagggccatt ctgagagcca ggcagagcgt gtggggcagt 1020
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tcccacatta tttttggcac ccacttttct tccccgtgaa agcaaattgt ttggtgtctt 1980
tctgtcccac tacagtatag gcccggttca gacagaggcc ttgtccacta ggcctgcgct 2040
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gcgctgggca cagtgtcac gcctgtaatc ccagcacttt gggagtccga agctggagga 2160
tcacttgaac ccaagagttt gagaccaccc tgggcaacat aaggagaacc catctctaca 2220
caaaattagc tgggcgtggg ggtgtatgcc tgtagtccca gctacttggg aggctaaggt 2280
gggaggtggc tgaggtggga ggatcacttg agcctgggag gttgttgtag tgagagccat 2340
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<210> 240
<211> 981
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2650265

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<400> 240
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cctggtctct gtcccttttc gtactcaaag ctctgtcatc cagggagggg aaaccggaga 180
tagggtcttc gggccccggg cagaccctct gtgccgtgc aaaccgttgc agcctgaggc 240
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ggcgagattc tgggtctgcg tagccggtgc tggcttcttt cttgcatttt tggttttgca 360
ttcgcgtttt tgtggctctc cagtttttag gaactttact tttgcagttt cctggagaac 420
tgagaaaatt ctttaccggc tggatgtggg ttggcctaag caccagaat atttaccgg 480
aacaacattt tgtgttgtag ttgactccct caatggattg gtttacatag gtcaaagagg 540
ggataacatc ccaaagatat tagtgttcac agaggatgga tatttcctac gagcctggaa 600
ttatacagtt gacacacctc atggtatatt tgcagccagt actctatatg aacaatccgt 660
ctggatcacg gatgtaggaa gtggtatgta tagtaatatc tattaattaa tcttactgga 720
aatcacatct ttgcacatgt ccttgtttgc attgtttaaa atcagagttg ctgaatctaa 780
ttgtaatttc ttttaacgatt catgaaatca catgttttta acaaacttta ttttgtactt 840
ctgtggaatt aagaaattta acaagggtcg gacgccgtgc tcacgcctgt aatcccagca 900
ctttgggagg ccgaggcggg cggatcacga ggtcaggaga tcgagacgat cctggccaac 960
acggtgaaac cccgctctcc a                981

```

```

<210> 241
<211> 1204
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<223> Incyte Clone No: 2677129

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<400> 241
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tgccttactg ctattaatta attttttttt ggtctctttc ttctttgctt accctttgtt 180
taacaaccaa atcaactcta gatcaatgaa tgaaataaaa aatctccagt acctacctcg 240
gaccagtgaa cccgcggaag ttctctttga agataggact agagctcatg ctgatcatgt 300

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cggtcagggg tttgactggc agagtacggc tgctgttgga gttttgaaag ctgtacaatt 360
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ttttactgat gttgtacaaa gacttcagtt agatcttcat gaacctccag tttcccagtg 480
cgtacagtgg gtagatgaag ctaaactaaa ccaaagagg cggaaggca ttcgttatgc 540
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caciaaatgtc agcatatctt tttacacaga tatgcaagtt agagtgtatc tatccggtag 1140
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<210> 242

<211> 784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3151073

<400> 242

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cacagacaaa ccgtcaacag ctggtctcgc atgtcctttg ttcccgggtc getcttgtgt 60
ttcgttctcc tctgtgtgt tagccctgtg taccttccct ctcggtcacc ctccacattt 120
cccatctctg agccctcag ctttataggg atgtcagctt ggccccaatg tagtccatt 180
tacagccaga ctctggact tgcctatgag ccatactcat ttccaaaaag gcgatattgg 240
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tcatgatttc ccaaagggtg accatcagca agactggata tttttcagac ttaagatgac 480
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gcagttactg gatgttgaat ttgaaacctt ttcatcttct tttttaaaac aagcttggtc 600
atttctgtgc aatgctataa ttcggaacga aacaaagcac aatgttaata aggtagacac 660
taattcattc ctctgaagag agatctcttc cagacatttt aagccagggc aagaaatgtt 720
taaagatgtt ttctgcagtt gccgtagaaa cactccttag cagtcactct ggctgttggt 780
aaaa                                         784

```

<210> 243

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 3170095

<400> 243

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ctccattaaa ccaccaccag ctccccaagc cacccttca gccatgaagt tctgtctcct 60
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atgtgtgagt aacacccag gatactgcag gacatgttgc cactgggggg agacagcatt 180
gttcatgtgc aacgcttcca gaaaatgctg catcagctac tcttctctgc cgaagcctga 240
cctaccacag ctcatcggt accactggca atcaaggaga agaaacacac aaaggaaaga 300
caagaagcaa caaacgaccg taacatcata ataaccactg ctatcgctc caccaactca 360
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ctcttt                                         426

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<210> 244

PF-0541 PCT

<211> 1732
<212> DNA
<213> Homo sapiens

<220>
<221>
<222> 1651, 1655
<223> a or g or c or t, unknown, or other

<220>
<221> misc_feature
<223> Incyte Clone No: 3475168

<400> 244
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cccagcacag cgctgttcca ggacaagtgc ccagtaaaca cttgggaagc aatgcaagcg 180
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cctctccaca ctacagccaga gggagctatt aaaactgctg gccagccac atcagtccac 360
agcaaagtcc tctctaagggt atctctgttg cttggagaat aaacctcgg attccttct 420
tggtctctcg ggcctcctct ctgacctccc tctgtctcct ctcccagcct tctcctcac 480
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ataacaaaga tgagacgcag gctctaacaa gtggatacca gtgactctcg ccccgccagc 1020
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cctgtagtcc cagctattct agaggctgag ncggnaggat tgcttgagcc cagcagtttg 1680
aggctgcagt gagctatgat tatgcccgtg aagggccccc aaaaaaaaaa aa 1732

<210> 245
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte Clone No: 3836893

<400> 245
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ctcagaactc cgagctgcaa cttaaattaac tgaggaaaag tatgaactga aagaggggca 180
gaccctggat gtgaaatgtg actacacgct agagaagttt gccagcagcc agaaagcttg 240
gcagataata agggacggag agatgcccaa gaccctggca tgcacagaga ggccttcaaa 300
gaattcccat ccagtccaag tggggaggat cactatagaa gactaccatg atcatggttt 360
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gggtttttca gggaccctg gctccaatga gaattctacc cagaatgtgt ataagattcc 540
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gacagatatc atcaggggttc cgggtgttcaa cattgtcatt ctccctggctg gtggattcct 720
gagtaagagc ctgggtcttct ctgtcctgtt tgctgtcacg ctgaggtcat ttgtacccta 780
ggcccacgaa cccacgagaa tgcctcttga cttccagcca catccatctg gcagtgtgtc 840
caagggagga gggaggaggt aaaaggcagg gagttaataa catgaattaa atctgtaatc 900
accagctaaa aaaaaaaaaa                                     918

```

<210> 246

<211> 676

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 4072159

<400> 246

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gtgctgtctc caaaacccca aagcaagcat ggaagagcag accaactcca gaggaaatgg 180
gaagatgacg tcccctccca ggggccctgg gacccaccgc acagctgagc tggcccgagc 240
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agcctgggag gcccaagccc tgggtgtcaa gatccagaag ctgaaggaa acatgaggag 360
gcaccaagag agccttggag gaggcgccta agtttcccc agtgcccaca gcaccctccg 420
gcaactgaaa tacacgcacc acccaccagg agccttgga tcataaacac cccagcgtct 480
tcccaggcca gagaaagtgg aagagaccac aaaccgcagg caattggcag gcagtggggg 540
agccagggct ctgcagtctt agtcccattc ccctttgatc tcacagcagg cagggcacca 600
caggccttac taggaattca ccctggacca tgccctaaaa taacctcacc ccaaatacaa 660
taaagggacg aggcaa                                     676

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<210> 247

<211> 2255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 1003916

<400> 247

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gaaagaggag ggcggggcag cggaggggag gaggcggtgc gtgcctcgcc tgccaaaggg 120
agatccgctc ctctgcgtgc gatccccggc gcccgccgcg gccacagcg ctccgccaga 180
gctgccgcgg cggactcgcc gggagtgggg gtctccgctg gtgccagccc gcttctggag 240
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gccatggacc atcatcttta gtgcagagga tggaaagttg atgccagta agactgaaga 480
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ttcactcctg cagtccctga acacttactt ggggtcctca ttgccctatc tggtgaaaga 600
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aatgaaacc cgataaaatc aggaacatga tataggaagg aaggattgta ggagatttgt 1380

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gggggaaaaa aaaggagagt atagaatgat ggagaaaaat ggaccaaagg ctaaaaatat 1440
tgcaggggcat cgggtgtttc tattccacag agtattgtta atgtacaaca cacacacaca 1500
cacacacaca cacacacaca cacacacaca acaaatctac atatacaaac aagggttttg 1560
gttttagttt ttttttttta aggtgaggac tcagaaaatc aaagggctag tagaaacagt 1620
gttatgtttg gaagcagggt acccccaaag atgttccctg taggtcacgg cactcccaaa 1680
agcacacaag cacatacaga catatgcac cccacacacg cctatgcaca aacgtggatt 1740
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tcattggatc gtgttttctt ttgtccatta ttgtactgtg ctgtaccaca tttatttcta 2160
tattcatttt gtaaaaaatt taaaagtgtc attttgtttg tatttgaaaa tctctgtgaa 2220
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<210> 248
<211> 1223
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2093492

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<400> 248
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agggcatttt cccagcggcg ctgctgcccc tgttgctgac catgattctt ttctggggcc 180
cactgatgca gctctctatg gattgccctt gtgacctggc agatgggctg aagggtgtcc 240
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gcattgggct gggccctgct gtgttcaact gcccgctctt ttttgagatt gccattttc 420
accatattat tgagcagctg cgtttccgcc agagcagcgt ggggaacatc ttcttgtctg 480
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gcacaggaca cctgattggg ccggttctct gccattcctt ctgcaattac atgggtttcc 600
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ccaggagcca cacactccct tctcactctt ggactgctgc ttctcttagc tctctgctc 1080
ctgaaaagct gctcgggggt ttttatttat aaaacctctc cccaccccc acccccaaac 1140
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```

```

<210> 249
<211> 1188
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte Clone No: 2108789

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<400> 249
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gttttgaaa actggtgtgt accgaggcgc tgactgcacg gctgaccgcc tgctcgtgcc 180
ttcattctgc agcggcatgg tccctcccat tctggctcca cctgcagcct cctgggtgg 240
cctaggctcc cccgaccaag agacctccct ctcagtatca ctggtacctg ggggcctgaa 300

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ttctggcccc cggtcccca cacagctggg actggcctgg atggctgtcc tggtagcccc 360
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agagacaaat taatatagct tattctataa atatatctgt atataaagg ttcctgtatat 1140
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```

<210> 250

<211> 1792

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2171401

<400> 250

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ggattcttgt ttggcctcct gggcgccgtg tggctgctca gctcgggcca cggagaggag 180
cagcccccg agacagcggc acagaggtgc ttctgccagg ttagtggtta cttggatgat 240
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caaaaacttc ttgaaagtga ctactttagg tattacaagg taaacctgaa gaggccgtgt 360
cctttctgga atgacatcag ccagtgtgga agaagggact gtgctgtcaa accatgtcaa 420
tctgatgaag ttctgatagg aattaaatct gcgagctaca agtattctga agaagccaat 480
aatctcattg aagaatgtga acaagctgaa cgacttggag cagtggatga atctctgagt 540
gaggaaacac agaaggctgt tcttcagtgg accaagcatg atgattcttc agataacttc 600
tgtgaagctg atgacattca gtcccctgaa gctgaatatg tagatttgct tcttaactct 660
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gaaaactgtt ttaagccaca gacaattaaa agacctttaa atcctttggc ttctggtcaa 780
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gcattctaca gacttatatc tggcctacat gcaagcatta atgtgcattt gagtgcaga 900
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aatattcatt aaagaaaaca agctgatatg tgcctgtttc tggacaatgg aggcgaaaga 1560
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taagtctatg tataatacta ctgtgagtaa aagtaatact ttaataatgt ggtacaaatt 1740
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<210> 251

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte Clone No: 2212530

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 cggccctcgg cgcgcgcagg ggaccgagct ggtcgcccca accgggtttg atttctgatg 180
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<212> DNA
<213> Homo sapiens

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<223> Incyte Clone No: 2380344

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<210> 256

<211> 1671

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2383171

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<211> 792

<212> DNA

<213> Homo sapiens

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<220>

<221> misc_feature

<223> Incyte Clone No: 2396046

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<211> 3045

<212> DNA

<213> Homo sapiens

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<223> Incyte Clone No: 2456587

<400> 258

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<210> 259

<211> 2445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2484813

<400> 259

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<210> 260
 <211> 672
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte Clone No: 2493851

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<210> 261
 <211> 1183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte Clone No: 2495719

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<210> 262
 <211> 1266
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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2614153

<400> 262

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<210> 263

<211> 1093

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2655184

<400> 263

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<210> 264

<211> 1056

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2848362

<400> 264

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<210> 265

<211> 1183

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte Clone No: 2849906

<400> 265

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<210> 266

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <223> Incyte Clone No: 2899137

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 <211> 606
 <212> DNA
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<220>
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 <213> Homo sapiens

<220>
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 ctggcctgta attgtttgat atatttgttt aaactctttg tataatgtca gagactcatg 720

I **V**